CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

Bids Close		See Eng. News-Record

WATERWORKS

Dec. 11	Monroe, Mich.	Nov. 23
Dec. 11	Monroe, Mich.	Nov. 30
Dec. 11	Westbrook, Minn.	Dec. 7
Dec. 12	Wheeling, W. Va.	Nov. 16
Dec. 12	Valley Park, Mo.	Dec. 7
Dec. 15	Plant City, Fla.	Dec. 7
Dec. 19	Houma, La.	Nov. 23
Dec. 19	Brooklyn, N. Y.	Nov. 30
	Adv. Nov. 30 and Dec. 7.	
Dec. 20	Drumheller, Alta.	Dec. 7
Feb. 1	Spokane, Wash.	Nov. 16

SEWERS

Dec. 11	New Orleans, La.	Oct. 12
	Adv. Oct. 12 to Dec. 7.	
Dec. 11	Sanford, Fla.	Dec. 7
Dec. 11	Shaker Heights (Cleveland P. O.), O.	Dec. 7
Dec. 12	West Park, O.	Dec. 7
Dec. 13	Clay Center, Neb.	Dec. 7
Dec. 15	Harlinger, Tex.	Nov. 30
Dec. 28	Indianapolis, Ind.	Dec. 7
	Adv. Dec. 7.	

WASTE DISPOSAL

Dec. 18	Allentown, Pa.	Nov. 23
	Adv. Nov. 23 to Dec. 7.	
Dec. 29	Portland, Ore.	Nov. 30
	Adv. Nov. 30 and Dec. 7.	
Jan. 24	Fargo, N. D.	Dec. 7
	Adv. Dec. 7.	

BRIDGES

Dec. 11	Yankton, S. D.	Nov. 30
Dec. 11	Spokane, Wash.	Nov. 30
Dec. 12	Brunswick, Ga.	Nov. 9
Dec. 12	Alabama	Nov. 16
Dec. 12	Mt. Ayr, Ia.	Nov. 30
Dec. 12	Nashville, N. C.	Nov. 30
Dec. 14	Hamburg, N. Y.	Nov. 30
	Adv. Nov. 30 and Dec. 7.	
Dec. 15	Columbus, Kan.	Dec. 7
Dec. 15	Haverhill, N. H.	Dec. 7
Dec. 16	Missouri	Nov. 30
Dec. 19	West Virginia	Nov. 30
	Adv. Nov. 30 and Dec. 7.	
Dec. 19	Trenton, N. J.	Dec. 7
	Adv. Dec. 7.	
Dec. 21	Coquille, Ore.	Dec. 7
Dec. 26	California	Dec. 7
Dec. 28	Sterling, Ill.	Dec. 7
	Adv. Dec. 7.	
Dec. 28	Minnesota	Dec. 7
Jan. 23	Spokane, Wash.	Sept. 21
Sept. 1, 1923,	Sydney, New South Wales, Australia	Aug. 3

DAMS

Jan. 5	Bluefield, W. Va.	Nov. 30
	Adv. Nov. 30 and Dec. 7.	

RAILWAYS

Jan. 1	Washington	Dec. 7
	Adv. Nov. 30 and Dec. 7.	

EXCAVATION, DRAINAGE, IRRIGATION

Dec. 12	Merced, Calif.	Dec. 7
Dec. 13	Brooklyn, N. Y.	Dec. 7

STREETS AND ROADS

Dec. 11	California	Nov. 23
Dec. 11	St. George, N. Y.	Dec. 7
Dec. 12	Tampa, Fla.	Dec. 7
Dec. 12	Alabama	Nov. 16
Dec. 12	St. Louis, Mo.	Nov. 23
Dec. 12	Mt. Ayr, Ia.	Nov. 30
Dec. 12	Mt. Ayr, Ia.	Dec. 7
Dec. 12	Hondo, Tex.	Dec. 7
Dec. 13	Corsicana, Tex.	Nov. 30
Dec. 14	Jacksonville, Fla.	Dec. 7
Dec. 14	Virginia	Nov. 30
Dec. 14	North Carolina	Nov. 30
	Adv. Nov. 30 and Dec. 7.	
Dec. 14	Harvard, Neb.	Dec. 7
Dec. 14	North Carolina	Dec. 7
Dec. 15	Columbus, Kan.	Nov. 30
Dec. 15	Tennessee	Nov. 30
Dec. 15	Waco, Tex.	Dec. 7
Dec. 15	St. George, N. Y.	Dec. 7
Dec. 16	Mound City, Kan.	Nov. 23
Dec. 16	Quebec	Nov. 23
Dec. 16	Quebec	Dec. 7
Dec. 18	California	Dec. 7
Dec. 19	Topeka, Kan.	Nov. 23
Dec. 19	New York	Nov. 30
	Adv. Nov. 30 and Dec. 7.	
Dec. 19	West Virginia	Nov. 30
	Adv. Nov. 30 and Dec. 7.	
Dec. 19	Ohio	Dec. 7
Dec. 19	Emporia, Kan.	Dec. 7
Dec. 19	Allendale, S. C.	Dec. 7
Dec. 21	Arcata, Calif.	Dec. 7
Dec. 22	Spokane, Wash.	Nov. 2
Dec. 22	Eldorado, Kan.	Nov. 23
Dec. 22	Duluth, Minn.	Nov. 30
Dec. 22	Ohio	Dec. 7
Dec. 22	Duluth, Minn.	Dec. 7
Dec. 23	Mound City, Tex.	Nov. 30
Dec. 26	California	Dec. 7
Dec. 28	Mobile, Ala.	Nov. 30
	Adv. Nov. 30 and Dec. 7.	
Dec. 28	Minnesota	Dec. 7
Dec. 29	Kansas City, Kan.	Dec. 7
Dec. 30	Quebec	Nov. 23
Dec. 30	Quebec	Nov. 2
Dec. 30	Quebec	Nov. 9
Dec. 30	Quebec	Nov. 16
Dec. 30	Quebec	Nov. 30
Jan. 2	St. Louis, Mo.	Dec. 7
Jan. 5	Larned, Kan.	Dec. 7
Jan. 7	Duluth, Minn.	Sept. 28

INDUSTRIAL WORK

Jan. 2	St. Louis, Mo.	Dec. 7

BUILDINGS

Dec. 9	Phila., Pa.	Dec. 7
Dec. 11	Bordentown, N. J.	Dec. 7
Dec. 11	Flushing, N. Y.	Dec. 7
Dec. 12	Amarillo, Tex.	Nov. 30
Dec. 12	Central Islip, N. Y.	Dec. 7
	Adv. Nov. 30 and Dec. 7.	
Dec. 12	Boston, Mass.	Dec. 7
Dec. 13	Baltimore,, Md.	Dec. 7
Dec. 14	Allentown, Pa.	Nov. 16
Dec. 14	St. Louis, Mo.	Dec. 7
Dec. 14	Victoria, B. C.	Dec. 7
Dec. 15	Chisholm, Minn.	Nov. 23
Dec. 18	Bakersfield, Calif.	Nov. 16
Dec. 18	Santa Barbara, Calif.	Nov. 30
Dec. 19	Albany, Ala.	Dec. 7
Dec. 20	Binghamton, N. Y.	Nov. 23
Dec. 21	Hancock, Mich.	Nov. 30
Dec. 22	McCombs, O.	Nov. 30
Dec. 28	Kenosha, Wis.	Nov. 30
Dec. 28	St. Charles, Mo.	Dec. 7
Jan. 2	Olean, N. Y.	Nov. 9
Jan. 2	Duluth, Minn.	Nov. 23
Jan. 10	Nashville, Tenn.	Dec. 7
Mar. 23	Shreveport, La.	Nov. 9

FEDERAL GOVERNMENT WORK

Dec. 11	Barges—Rock Island, Ill.	Nov. 16
	Adv. Nov. 23 to Dec. 7.	
Dec. 11	Changes—Oakland, Calif.	Nov. 23
Dec. 12	Hospital—Knoxville, Ia.	Nov. 16
	Adv. Nov. 16 to Dec. 7.	
Dec. 13	Dredging—New York, N. Y.	Nov. 23
Dec. 14	Garage, etc.—San Diego, Calif.	Nov. 16
Dec. 14	Barges—Vicksburg, Miss.	Nov. 16
	Adv. Nov. 16 to Dec. 7.	
Dec. 15	Dredging—Detroit, Mich.	Nov. 16
	Adv. Nov. 16 to Dec. 7.	
Dec. 15	Maneuver Boat—Huntington, W. Va.	Nov. 23
	Adv. Nov. 16 to Dec. 7.	
Dec. 18	Buildings, Electrical Work, etc. —Livermore, Calif.	Nov. 23
Dec. 20	Barges—Milwaukee, Wis.	Nov. 23
Dec. 20	Lock Gates — Pittsburgh, Pa.	Nov. 23
	Adv. Nov. 23 to Dec. 7.	
Dec. 20	Excavating Cut-offs—Wilmington, Del.	Nov. 23
	Adv. Nov. 23 to Dec. 7.	
Dec. 20	Repairs—San Diego, Calif.	Nov. 23
Dec. 20	Pier Extension—Puget Sound, Wash.	Nov. 23
Dec. 20	Riprapping Dike—Mare Island, Calif.	Nov. 23
Dec. 20	Quarters, etc. — El Paso, Tex.	Nov. 30
	Adv. Nov. 30 and Dec. 7.	
Dec. 21	Breakwater—Phila., Pa.	Nov. 23
Dec. 26	Barge—Wilmington, N. C.	Nov. 30
	Adv. Nov. 30 and Dec. 7.	
Dec. 26	Remodeling—Rockford, Ill.	Dec. 7
Dec. 27	Post Office—Leesburg, Va.	Dec. 7
Dec. 27	Covering Railroad Track—San Diego, Calif.	Dec. 7
Dec. 28	Hospital — Tupper Lake, N. Y.	Dec. 7
	Adv. Dec. 7.	
Dec. 28	Equipment, etc.—Tupper Lake, N. Y.	Dec. 7
Dec. 28	Radial Brick Stack—Tupper Lake, N. Y.	Dec. 7
Dec. 28	Water Tank—Tupper Lake, Lake, N. Y.	Dec. 7
Dec. 30	Power House — Huntington, W. Va.	Dec. 7
	Adv. Dec. 7.	
Dec. 30	Dredging Pump—Florence, Ala.	Dec. 7
	Adv. Dec. 7.	
Jan. 3	Piers—Pearl Harbor, H. T.	Nov. 16
Jan. 5	Dredge—Cincinnati, O.	Dec. 7
	Adv. Dec. 7.	

MISCELLANEOUS

Dec. 13	Wall—Delaware	Nov. 30
Dec. 14	Wharf—New Orleans, La.	Nov. 30
Dec. 14	Stadium—Berkeley, Calif.	Dec. 7
Dec. 14	Portland Cement — New York, N. Y.	Dec. 7
Dec. 14	Steel—New York, N. Y.	Dec. 7
Dec. 15	Ties and Timber—Montreal, Quebec	Dec. 7
Dec. 18	Coal Handling Plant — Melbourne, Victoria, Australia	Sept. 21
Dec. 20	Bridge Material, etc. — Corydon, Ia.	Dec. 7
Dec. 21	Culvert—Riverdale, Ark.	Dec. 7
	Adv. Dec. 7.	
Dec. 27	Dock Wall—Buffalo, N. Y.	Nov. 30
	Adv. Nov. 30 and Dec. 7.	
Jan. 1	Transmission Line—Spokane, Wash.	Nov. 9

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. C., Kings Mountain—Town Comrs. to sell $68,000 bonds, Dec. 15, for water and sewer extensions. G. E. Lovell, secy.

La., Lafayette—Will sell $144,000 bonds for waterworks and light plant. Address A. Mouton, mayor.

Ill., Sheridan—Making plans new water supply system. $30,000. Marr, Green & Co., 400 North Michigan Ave., Chicago, engrs.

Ill., Stockton — Making plans improvements to water supply system, incl. more economical pumping machinery and equipment. $15,000. W. G. Kirchoffer, Dean Bldg., Madison, Wis., engr.

Wis., Black River Falls—Making plans addition to waterworks system incl. additional water supply. $15,000. W. G. Kirchoffer, Dean Bldg., Madison, engr.

Wis., Milton—Making plans waterworks, sewerage and sewage disposal system. $25,000. W. G. Kirchoffer, Dean Bldg., Madison, engr.

Kan., Alma — Making plans general waterworks improvement. $35,000 bonds voted. A. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs.

Mo., Kirksville—Election latter part of month to vote on $325,000 bonds for general waterworks improvements. Black & Veatch, Mutual Bldg., Kansas City, engrs.

Mo., La Plata—Election latter part of month to vote on $190,000 bonds new water system and sewers. Black & Veatch, Mutual Bldg., Kansas City, engrs.

Okla., Woodward—Voted $175,000 bonds for new water plant and distribution sys-

Waterworks (Continued)

tem. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Mo., St. Louis — Feb. 9, to vote on 12,000,000 bonds (Proposition 21) for extensions, improvements and additions to water system incl. new plant on Missouri River and equipment, supply mains and right of way, etc., 100,000,000 gal. reservoir, service mains and contingencies. W. W. Horner, City Hall, engr.

Wash., Spokane—Spokane Irrigation Dist. voted $75,000 bonds new domestic and irrigation water system, cast iron.

Wash., Yakima — Plans to acquire distributing system of Pacific Power & Light Co. $400,000; 30 mi. pipe line from Rattle Snake Creek $750,000; reservoir $150,000. Plans election to vote on $1,000,000 bonds. City may have to mortgage the whole water system for $750,000, as bonding limit would be reached at $550,000. C. F. Wilson, city engr.

Wash., Yakima — Tieton Water Users Assn. had plans prepared and takes bids in spring, increasing main canal from 320 to 400 sec. ft. by raising sides of canal and enlarging tunnel, cement lining 13 mi. lateral "G." Will purchase annually 10,000 acre ft. from government. $1,000,000. J. J. Moore, Yakima, engr.

Calif., Chico—Election Jan. 16, to vote on $475,000 bonds to purchase privately owned water systems, also vote on funds exceeding $100,000 for improvements and extensions. F. S. Robinson, city engr.

Calif., Eagle Rock — Plan election to vote on $60,000 bonds for sinking wells, laying additional mains and reservoir; $40,000 bonds for installing fire hydrants and additional mains.

BIDS DESIRED

Fla., Plant City—See "Sewers."

O., West Park—See "Sewers."

O., Shaker Heights (Cleveland P. O.)—See "Sewers."

Minn., Westbrook—Dec. 11, by village, waterworks improvements, 11,375 lin.ft. 4 in. c.i. pipe, 14 hydrants, 11 gate valves, 4,200 lb. special castings, drill well, 6 in. to 14 in. diameter, 650 lin.ft. deep, pump house, pump unit. $15,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, Ia., engrs. Noted Nov. 16.

Neb., Clay Center—See "Sewers."

Mo., Valley Park—Dec. 12, by Bd. Aldermen, 21,628 ft. 4-8 in. c.i. mains, 70 ton special fittings, 5,253 cu.yd. earth excav., etc. $36,000. L. A. Day, 34 East Grand St., St. Louis, engr. Noted Nov. 16.

Okla., Cushing—Dec. 14, to vote on $500,000 bonds extending waterworks and sewerage systems. O. Block, city engr. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, Mo., consult. engrs. Noted Feb. 2.

Alta., Drumheller — Dec. 20, by H. A. Brown, secy. treas., furnishing 9,000 lin.ft. 4, 6, 8 and 12 in. c.i. or steel water pipe, 8,000 lb. special castings, gate valves, hydrants, brass cocks and service boxes, also labor and certain materials for constructing 9,000 lin.ft. watermains. Haddin & Miles Ltd., Calgary, consult. engrs.

BIDS RECEIVED

Pa., Phila.—Opened bids Nov. 29, water piping in Northeast sewer treatment plant, from Roberts Filter Co., Rawn and Tacowanda St., $101,900; J. J. McHugh, 1617 Race St., $136,944; Acme Machine Co., 316 North 17th St., $177,927. Noted Nov. 16.

O., Akron—S. Porter, clk. Summit Co., opened bids Nov. 24, 15,375 ft. 6 and 8 in. mains in Tallmadge Sewer Dist. 1, Impvt. 13, from D. A. Sant, 3634 Stettinus Ave., Cincinnati, $33,455; J. D. Kuhn, Barberton, $36,455; Gangl Constr. Co., 2nd Natl. Bldg., $36,745. Engrs. est. $36,376. Noted Nov. 16.

O., Cleveland—For 1 story, 30 x 35 ft. pumphouse and concrete substructure at Lake Shore Blvd. Pumping Sta., from Western Reserve Constr. Co., 2244 Murray Hill Rd., $21,000 D. Lowensohn, 12603 Clifton Blvd., $25,918; Rice Jones Co., 1836 Euclid Ave., $27,020.

O., Cleveland—Cuyahoga Co. opened bids Nov. 22, 2,690 ft. 12 in. c.i. mains in Ridge Rd. north of Linndale Rd., Impvt. 24, from Water & Sewer Impvt. Co., 10923 Detroit Ave., $14,624; Gantose Constr. Co., Columbia Bldg., $15,338.

CONTRACTS AWARDED

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Bogart Ave., etc., to C. DeBlasio, 339 7th Ave., Mt. Vernon, $21,000. Engrs. est. $25,000. Noted Nov. 23.

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Blake St., here, to F. L. Paino, 572 1st St., $67,455. Noted Nov. 23.

Ala., Bessemer—Tennessee Coal, Iron & R.R. Co., laying 10,00 ft. 10 in. and 6,500 ft. 16 in. c.i. water supply pipe to Bessemer Furnaces, to Long, Sullivan & Haggarty, 2014 2nd Ave., $12,987. Owner furnishes all material. Total cost $61,000.

O., Kent—For 15,160 ft. 6 in. mains. Universal pipe, etc., to L. Garrett Constr. Co., Kent, $1.60 per ft., total cost incl. extra work $32,920. Noted Nov. 2.

Wis., Cedarburg—For 200 water meters ⅝ in. and ¾ in., to Worthington Pump Co., Cudahy St., Milwaukee, Model G, $8.50. Noted Nov. 23.

Kan., Phillipsburg—Waterworks system, to Carrothers & Piburn, Colony, $34,086; filters, to C. T. McFarland, 307 Mutual Bldg., Kansas City, Mo., $3,400.

S. D., Ashton—Waterwork system, incl. 800 lin.ft. 8 in. c.i. pipe, 50,000 gal. concrete reservoir, steel tank and tower, to Phelps-Drake Co., 710 Metropolitan Life Bldg., Minneapolis, $18,000.

S. D., Timber Lake—Extending water mains incl. 780 lin.ft. 8 in., 3,160 ft. 6 in. and 4,600 ft. 4 in. c.i. pipe, etc., to W. B. Carter, 606 United Bank Bldg., Sioux City, Ia., $14,763.

Mo., Paris—Improving water-works system, to Ray & Son, Baxter Springs, $13,150, pump to Chalmbers Co., Kansas City (street address not available) $2,240; electric light, pole line construction, to C. Harley, Paris, $6,100. Noted Nov. 9.

Wash., Bucoda—For new water system, incl. two 60,000 gal. reservoirs, to Amer. Wood & Pipe Co., Box 1614, Tacoma, $25,000. Engrs. est. $27,000.

Calif. Fair Oaks—Fair Oaks Irrigation Dist., furnishing and delivering riveted steel pipe, to Western Pipe & Steel Co., 444 Market St., San Francisco, $16,945. Noted Nov. 30.

Que., Lambert—To Canada Iron Foundries Co., Ville Ste. Pierre, 5,000 ft. 6 in. c.i. water pipe, 179,000 lb., $58.80 per ton, 4,500 ft. 8 in. c.i. pipe, 234,450 lb. $58.80 per ton, both Class C pipe; to Independent Concrete Pipe Co., Woodstock, 2,050 ft. 30 in. rein.-con. pipe, $6.96 per ft., total $14,268.

Sewers

PROPOSED WORK

Pa., Sharon—Plans new sewage disposal plant. $175,000. L. E. Burnside, city engr.

Pa., Wilkes-Barre—City retained Alexander Potter, consult. engr., 50 Church St., New York, to prepare plans new sewage disposal plant.

N. C., Kings Mountain — See "Waterworks."

La., Homer—Will sell $120,000 bonds for sewerage system in Dist. 1.

O., Akron—Purchased 500 acres land and plans sewage disposal plant. $3,000,000. J. E. Root, Delaware Bldg., engr. Metcalf & Eddy, 14 Beacon St., Boston, Mass., consult. engrs.

Ill., Bradley—Making plans new water supply system. $95,000. Marr, Green & Co., 400 North Michigan Ave., Chicago, engrs.

Ill., Franklin Grove—Making plans new sewerage system. $75,000. Marr, Green & 400 North Michigan Ave., Chicago, engrs.

Ill., Merriam—Making plans sewage disposal system. $100,000. P. B. Wilson, city engr. Marr, Green & Co., 400 North Michigan Ave., Chicago, consult. engrs.

Ill., Sheridan—Making plans new sewerage system. $40,000. Marr, Green & Co., 400 North Michigan Ave., Chicago, engrs.

Ill., Evanston—Making plans sewers in Deempster St. $60,000. Marr, Green & Co., 400 North Michigan Ave., Chicago, engrs.

Wis., Milton—See "Waterworks."

Mo., La Plata—See "Waterworks."

Mo., St. Louis — Feb. 9, to vote on $8,000,000 bonds (Proposition 6) constructing and reconstructing public sewers and acquiring right-of-ways; $11,000,000 bonds (Proposition 7) converting River Des Peres into public sewer for foul and storm water by deepening and widening channel, constructing laterals and acquiring right-of-way. W. W. Horner, 300 City Hall, engr.

Okla., Cushing—See "Waterworks."

N. M., Las Vegas—Voted $50,000 bonds for new sewerage system.

Calif., Colton—Plan election to vote on $25,000 bonds to construct sewerage system.

Calif., Fresno—Having plans prepared 24 in. drain in 20 blocks along Stanislaus St. from alley between L and M Sts., to H St., thence to Merced St., to connect with present outfall sewer. These drains to replace 8 in. pipe now in place, proposed capacity through these new drains will be about 5,000,000 gal. per day. W. Stranahan, city engr.

Calif., Lodi—Election Dec. 19, to vote on $100,000 bonds sewage disposal plant. L. F. Barzellotti, city engr. C. F. Smith, 7 Nottingham St., Berkeley, consult. engr.

Que., Montreal—Plans sewer in Duquesne St., incl. 101 ft., 8 ft. steel casing pipe and 186 ft. 8 ft. concrete pipe. $27,000. E. Fusey, supt. sewer dept.

Ont., Burlington—Having plans prepared laying storm sewer in Water St. $35,000. Prices wanted on materials. Address A. Hobson, mayor.

Ont., London—Preparing plans cement storm sewers, horseshoe construction, 6 ft. wide. $85,000. Prices wanted on all materials. H. A. Brazier, city engr.

BIDS DESIRED

Fla., Plant City—Dec. 15, by City Council, constructing and extending sewerage system and water mains, 14,300 ft. 8 in. and 6,000 ft. 10 in. terra cotta pipe, 7,000 ft. 10 in. c.i. pipe, etc. $36,000. E. N. Stanley, Plant City, engr.

Fla., Sanford—Dec. 11, by C. J. Ryan, city mgr., 17,000 ft. 4 to 24 in. vitr. sewers and 1,600 ft. vitr. segment block for branches.

O., Shaker Heights (Cleveland P. O.)—Dec. 11, storm and sanitary sewers, also 6 and 8 in. c.i. mains in portion Shaker Blvd., Norwood and Milverton Rds. F. A. Pease Eng. Co., 804 Marshall Bldg., Cleveland, engrs.

O., West Park—Dec. 12, sewers, watermains, grading and laying sidewalks on Normandy, West 157th and Norway Aves. To exceed $25,000. J. Reitz, City Hall, engr.

Ind., Indianapolis—Dec. 28, by Bd. of Sanitary Comrs., City Hall, furnishing and erecting mechanical equipment of Sect. 4, Div. 3, sewage disposal plant. C. H. Hurd, 1405 Merchants Bank Bldg., consult engr.; adv. this issue.

Neb., Clay Center—Dec. 13, by J. E. Ray, city clk., complete sewerage system incl. sewage disposal plant, settling tank, trickling filters, pumping station, ejectors, 20,000 lin.ft. 8 in., 4,450 lin.ft. 10 in. and 3,500 lin.ft. 12 in. vitr. clay pipe, $64,400, Grant, Fulton & Letton, 505 Bankers Life Bldg., Lincoln, engrs.

Mo., Hamilton—Taking bids complete new sanitary sewerage system, 8-12 in. vitr. tile. $60,000. A. T. Archer & Co., 609 New England Bldg., Kansas City, engrs.

BIDS RECEIVED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, opened bids Nov. 29, sewers in (1) East 17th St. (2) Ocean Ave. (3) East 37th St. (4) Riverdale Ave. (5) Brooklyn Ave. (6) 15th Ave., sewer basins in (7) Synder Ave. (8) 87th St., from J. W. Murphy (1) 97% of engineers estimate ($6,695) (3) 89% of engrs. est. ($3,694); Nazarro & Querriero (1) 99.97% (3) 99%; G. L. Schrade, 693 Flatbush Ave., (1) 111.11% (2) 134% of engrs. est. ($600) (3) 88.4% (4) 137% of engrs. est. ($1,602) (5) 132% of engrs. est. ($2,232) (6) 127.27% of engrs. est. ($2,346) (7) 141% of engrs. est. ($350) (8) 136% of engrs. est. ($650); Manmill Constr. Co., 2035 Douglass St., (2) 122% (4) 123.8% (7) 109% (8) 128%; J. Jennings, Belle Harbor, (4) 128%; Gustin Morris Contg. Co., Creek St. and Anabel Pl., Long Island City, (5) 131%. Noted Nov. 23.

Pa., Phila.—Opened bids Nov. 29, sewers in (1) Abbottsford Ave., Louden and Arnold Sts. (2) 65th Ave. N., Ognotz Ave., Ameri-

Sewers (Continued)

can, Atlantic, Kingston and Venango Sts. (3) Washington Lane, Ognotz Ave., and Ellett St. (4) Erie Ave., Farson, 54th and 55th Sts. (5) Oxford Ave., McKean and Sansom Sts. (6) Haines St. from Ognotz Ave. to Limekin Pike and from Anderson to Ardleigh Sts., Howard and McCallum Sts. (7) 67th and Torresdale Aves., Salmon, Stockley, Walker and Watts Sts. (8) York Rd. (9) intercepting sewer in 40th Ward lowlands, from E. Pascuzzi, Lincoln Bldg., (1) $29,877; J. Lombardi, Lincoln Bldg., (1) $31,653, (3) $36,974, (6) $29,588, (7) $26,671; E. Leva 3851 North 10th St., (1) $33,562, (2) $34,031, (5) $22,988; J. Moss, 1052 Wakeling St., (2) $36,876; E T Bennis, 641 Chelten Ave., (2) $36,997, (3) $33,364, (4) $29,653; J. J. McHugh, 1716 Race St., (3) $35,765, (4) $29,981; (5) $21,563, (6) $27,025, (7) $29,753, (8) $29,573, (9) $50,037; W. H. Garson, 5033 Brown St., (4) $27,227, (5) $18,835, (6) $27,966, (7) $28,976; R. Lombardi, Lincoln Bldg., (8) $28,402, (9) $61,753; A. Joffola, 1203 Tree St., (8) $29,652, (9) $43,586.

Md., Baltimore—Bd. of Awards, City Hall, opened bids Nov. 22, hauling and placing 5,100 ft. 24-54 in. rein.-con. pipe, 1,340 ft. 15-24 in. vitr. clay pipe, 8,700 ft. 5-15 in. sewer and house connections, 1,480 ft. 46 in. circular and 51 x 90 in. rectangular concrete section drain, 60 manholes, Sewer Dist. G 14, from Ryan Constr. Co., 735 Real Estate Trust Bldg., Phila., Pa., $95,446; Aidlo Constr. Co., 75 Knickerbocker Bldg., $102,062; F. Carozza, 5209 York Rd., $103,843. Noted Nov. 16.

CONTRACT AWARD

O., Cleveland Heights (Warrensville P. O.)—For vitr. tile sewers in Ardmore Sewer Dist., 2 streets to N. Carroccio, Benwood Ave., Cleveland, $38,547; 3 streets to Salem & George Bros., 237 Bradley Court, Cleveland, $45,467; 6 streets to A. Marra, Ulmer Bldg., Cleveland, $55,246. Noted Nov. 2.

Neb., Omaha—Sewers in Dist. 849, from Redman Ave. to 36th St., to J. J. Hanighan Co., 617 South 14th St., $38,973; in Dist. 780, 5th to 9th Sts. from Dorcas to Bancroft Sts., to Kruse Constr. Co., Spencer, Ia., $22,066. Noted Oct. 26 and Nov. 2.

Tex., Abilene — To Janes Constr. Co., Southwestern Life Bldg., Dallas, disposal plant $5,300; 5 mi. 8-18 in. sewers $30,700.

Tex., Houston—Storm sewers in Polk, Rice and Elmwood Sts., to F. C. Youman, 908 Colquitt St., $30,638.

Utah, Ogden—Laying 8, 15 and 18 in. vitr. sewers in Dist. 145, north of Ogden River, to Taylor-Child Constr. Co., Ogden, (street address not available) $64,990.

B. C., Vancouver — Joint Sewerage & Drainage Bd., 850 Hastings St. W., will build 1 mi. Colingwood Valley storm water trunk sewer, by day labor under supervision of J. Slater, engr., c/o owners. $157,676.

Waste Disposal

PROPOSED WORK

N. D., Fargo—Voted $60,000 bonds waste disposal plant. R. T. Jacobsen, city engr.

Mo., St. Louis—See "Miscellaneous."

BIDS DESIRED

N. D., Fargo—Jan. 24, at office A. R. Watkins, city aud., complete garbage incinerator plant; adv. this issue.

Bridges

PROPOSED WORK

Pa., Johnstown—Plans new bridge on Napoleon St. $100,000, also replacing bridges on Franklin St. $100,000, Cooperdale St. $125,000, Woodvale St. $70,000 and Poplar St. $90,000, rein.-con. and steel. Will start work in spring on Napoleon St. bridge. J. E. Greiner & Co., Fulton Bldg., Pittsburgh, engrs. Noted Nov. 23.

Pa., Pittsburgh—Allegheny Co. plans 90 ft. steel girder bridge, stone abutments, over Miller's Run. V. R. Cavall, co. engr.

Va., Petersburg—City, Norfolk & Western R.R., Roanoke, Atlantic Coast Line R.R., 71 Bway., New York City, and State Hy. Comn., Richmond, had preliminary plans prepared 1,800 ft. bridge, 28 ft. roadway, 5 ft. sidewalk, here. $314,000. J. C. Greiner, Lexington Bldg., Baltimore, Md., engr.

Tenn., Murfreesboro — State Hy. Dept., Nashville, making plans and soon takes bids rein.-con. arch bridge over Stones River, near here, Federal Aid Project 47. D. Q. McComb, Nashville, ch. engr.

Wis., Ashland—See "Streets and Roads."

Wis., Green Lake — See "Streets and Roads."

Wis., La Crosse — See "Streets and Roads."

Wis., Montello—See "Streets and Roads."

Wis., Phillips—See "Streets and Roads."

Ia., Washington—Washington Co. plans bridge and culvert work, 1,448 cu.yd. rein.-con., 3,520 ft. wood piling, etc. $33,968. Iowa Highway Comn., Ames, engrs.

Minnesota—See "Streets and Roads."

Kan., Hutchinson—Comrs. Reno Co. soon take bids 548 ft. 6 in. Marsh rainbow arch bridge, 20 ft. roadway, across Arkansas River. $45,000. W. A. Stacey, co. engr. Noted Nov. 9.

Missouri—State Hy. Dept., Jefferson City, plans one 35 ft. and two 40 ft. rein.-con. deck girders, and three 60 ft. steel truss spans, rein.-con. abutments, 20 ft. roadways, on road from Fredericktown to Marble Hill, Federal Aid Project 202, Bollinger Co.; two 100 ft. steel truss spans, 1 concrete pier, 2 rein.-con. bents, 20 ft. roadway, over Aux Vasse River, on Sta. 214 plus 00, on road from St. Louis to Kansas City, Federal Aid Project 144, Callaway Co. B. H. Piepmeier, state highway engr.

Mo., St. Louis—Feb. 9, to vote on $1,600,000 bonds (proposition 16) for construction or reconstruction and extension of bridges and viaducts and elimination of railroad grade crossings as follows: viaduct at Kingshighway over Oak Hill tracks $155,000, Shaw Ave. over Oak Hill tracks $80,000, Kingshighway over Terminal tracks $65,000, over Frisco and River Des Peres at Fyler Ave. $90,000, over Frisco and River Des Peres at Arsenal St. $90,000, over Frisco at Southwest Ave. $230,000; eliminating grade crossing of Wabash R.R. with Sarah, Boyle, Newstead and Taylor Aves. $250,000, Oak Hill between Carondelet Park and Kingshighway $310,000, Oak Hill between Reilly Ave. and Carondelet Park $280,000; raising Missouri Pacific R.R. tracks at Southwest Ave. $50,000. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis—Feb. 9, to vote on $1,500,000 bonds (Proposition 17) for acquisition of land and construction of western approach to municipal bridge across Mississippi River; $1,500,000 bonds (Proposition 18) for acquisition of land and construction of eastern approach to above bridge. W. W. Horner, 300 City Hall, engr.

Mo., Waverly—State Hy. Dept., Jefferson City, soon takes bids 1,600 ft. steel bridge, 20 ft. roadway, near here. $500,000. B. H. Piepmeier, Jefferson City, state highway engr. Harrington, Howard & Ash, Orear Leslie Bldg., Kansas City, consult. engrs.

Nev., Reno—Making plans bridge over Truckee River on Lake St. $60,000. H. Chism, city engr.

Calif., Merced — Merced Irrigation Dist. had plans prepared viaduct, 1,700 ft. long, 210 ft. high, over Merced River in Pleasant Valley, 2,000 ton steel, concrete foundation, to be constructed in connection with relocation of Yosemite R.R., which involves 1,000,000 cu.yd. excav., over 70% solid rock, 16.75 mi. new roadbed, 16.75 mi. new track, 70 lb. metal culverts, $25,000; steel bridges $500,000; tunnel $350,000. Total cost of railroad $2,450,000. R. C. Starr, Merced, ch. engr.

BIDS DESIRED

N. H., Haverhill—Dec. 15, by J. R. Worcester Co., engrs., 79 Milk St., Boston, one 250 ft. steel truss bridge, 24 ft. wide across Connecticut River, between here and Newberry, Vt. $60,000. States assisting in financing.

N. J., Trenton—Dec. 19, by Bd. Freeholders Mercer Co. 49 ft. 3 in. clear span through plate girder bridge over Shipetaukin Creek, on Brunswick Pike. H. F. Harris, Court House, engr. J. A. L. Waddell, 35 Nassau St., New York City, consult. engr.; adv. this issue.

S. C., Allendale—See "Streets and Roads."

Ohio—See "Streets and Roads."

Ill., Sterling—Dec. 28 by Road and Bridge Comn. Whiteside Co., for 1,000 ft. bridge on 1st Ave. over Rock River; E. O. Hills, co. supt. highways. Noted Nov. 30, adv. this issue.

Minnesota—Dec. 28, by State Hy. Dept., St. Paul, Bridge 2700 over Baudette River at Baudette, State Project 11-24, five 80 ft. truss spans, $60,000; Bridge 3112, Federal Aid Project 57, State Project 6-25, three 75 ft. truss spans, $25,000; both in Beltrami Co.; Bridge 3945, Federal Aid Project 213, State Project 5-27, 400 ft. steel, over Minnesota River, Le Sueur Co., $50,000; Bridge 3921, State Project 1-39, three 40 ft. concrete deck girder spans, over Straight River, Steele Co., $28,000. J. T. Ellison, state bridge engr. Noted Oct. 20, 1921, and Nov. 23.

Kan., Columbus—Dec. 15, by Bd. Comrs. Cherokee Co., 2 rein.-con. through arch bridges, one 130 ft. span and other 80 ft. span, each with 20 ft. roadway, near Baxter Springs. $40,000. L. J. Noftzger, co. engr. Marsh Eng. Co., 205 Masonic Temple Bldg., Des Moines, Ia., designing engrs.

Wash., Kelso — See "Railways under Washington."

Ore., Coquille—Dec. 21, by Coos Co., for steel girder draw-span over Catchny Slough, 66,000 lb. steel, 6,500 lb. swinging machinery, 11,000 ft. wood piling, 62,000 ft. lumber, etc.; also bascule lift bridge, concrete substructure, over Coal Bank Slough, 45,000 lb. steel, 15,000 lb. machinery, 220 cu.yd. concrete, 25,000 ft. lumber, 7,500 ft. piling, etc. C. R. Wade, co. judge.

California—Dec. 26, by State Hy. Dept., Sacramento, bridge across Stone Creek near Hamilton City, Glenn Co., four 100 ft. steel truss spans and twenty 30 ft. rein.-con. girder approach spans; bridge across San Francisco-Sacramento R.R. near Denverton, Solano Co., two 34 ft. and one 39 ft. rein.-con. girder spans and grading approaches. A. B. Fletcher, state highway engr.

BIDS RECEIVED

Pa., Phila.—Delaware River Joint Bridge Comm., Widener Bldg., opened bids Nov. 29, 2 main towers of bridge over Delaware River between here and Camden, N. J., incl. (1) 13,600,000 lb. silicon steel (2) 4,890,000 lb. carbon steel (3) 290,000 lb. cast steel, from Bethlehem Steel Co., Bethlehem, (1) $0.0743 (2) $0.0663 (3) $0.1803, total $1,386,974; Keystone State Constr. Co., 210 South 13th St., Phila., and New York Ship Bldg. Corp., 120 Bway., New York City, (1) $0.0789 (2) $0.0723 (3) $0.1473, total $1,469,304; McClintic Marshall Co., Oliver Bldg., Pittsburgh, (1) $0.0812 (2) $0.0765 (3) $0.121, total $1,513,495; Amer. Bridge Co., 71 Bway., New York City, (1) $0.0955 (2) $0.0955 (3) $0.1375, total $1,805,670.

Pa., Pittsburgh—Opened bids bridge over Allegheny River, 40th St., substructure (1) Design A, (2) Design B, (3) Design C, from H. P. Converse & Co., Pittsburgh, (street address not available). (1) $757,259 (2) $1,592,512 (3) $1,605,512, Dravo Contg. Co., Diamond St., (1) $830,377 (2) $1,316,413 (3) $1,381,413, Vang Constr. Co., Conestoga Bldg., (1) $920,438 (2) $1,542,091 (3) $1,642,800; superstructure, (a) carton steel, (b) copper bearing, from Amer. Bridge Co., Frick Bldg., (a) $784,108 (b) $804,249, McClintic Marshall Co., Oliver Bldg., (a) $708,537 (b) $728,677, Fort Pitt Constr. Co., Martin Bldg., (a) $900,646, (b) $920,787; paving on bridge, J. H. McQuade Sons Co., Bakewell Bldg., $68,585, T. Cronin Co., Carson St., $99,524; relocation of Ohio St., T. Cronin Co., Carson St., $197,205, Fort Pitt Constr. Co., Martin Bldg., $199,701, J. F. Casey Co., Union Ave., $236,036; ornamental iron, Heckla Iron Wks., Ferguson Bldg., designs A or D, $42,650, designs B, C or F, $36,890, All Steel Equipment Co., Union Arcade, designs A or D, $32,092, designs B, C or F $26,272. Noted Nov. 2.

Tex., Glen Rose—Sommerville Co. 2 concrete and steel bridges over Glen Rose and Booker Crossings on State Highways 10 A and 25, 107,940 lb. structural and 90,909 lb. reinforcing steel, 767.4 cu.yd. concrete, from J. E. Harris Co., Colorado, $28,224; Allison & Tracy, Gorman, $28,338; Van Orden-Winans Co., Ft. Worth, $29,743. Noted Nov. 23.

CONTRACTS AWARDED

Pa., Lemoyne—Phila. & Reading R.R., Reading Terminal, Phila., reconstructing 280 ft. bridge, 56 ft. wide, to F. A. Flink, Lemoyne, $28,000.

North Carolina—State Hy. Dept., Raleigh, constructing rein.-con. bridge over Yadkin River, seven 150 ft. arch spans, Project 673, Davidson Co., to Hardaway Contg. Co., 909 Elizabeth Ave., Charlotte, $185,000. Noted Aug. 17.

S. C., Columbia—Richland Co., constructing 2 concrete bridges on Monticello High-

Bridges (Continued)

way, to General Road & Drainage Co., Liberty Bank Bldg., $26,012. Noted Nov. 9.

Fla., Milton—Comrs. Santa Rosa Co., bridge over Yellow River, 4,450 ft. timber trestle, 10 ft. roadway, two 80 ft. steel spans, to C. T. Dawkins, Montgomery, Ala. (street address not available) $50,650. Noted Oct. 19.

Colo., Denver—Foundation for 16th St. viaduct, to F. B. Varnum, 2035 East 18th Ave., $58,402. Noted Nov. 23.

Idaho, Pocatello—P. B. Wilson, dist. engr. State Hy. Comn., Pocatello, one 90 ft. steel bridge ¾ mi. approaches, etc., on Idaho-Pacific Highway, Federal Aid Project 59, Bannock Co., to Dolivirk, Orino Constr. Co., Spokane, Wash., (street address not available), $26,815. Noted Nov. 9.

Dams

PROPOSED WORK

North Carolina — W. V. N. Powellson, pres. Carolina-Tennessee Power Co., Murphy, is interested in company which had plans prepared 2 large dams and 2 generating stations, to generate $60,000 hp., on Hiwassee River, in Cherokee Co. $5,000,000. Engineer not announced.

Railways

PROPOSED WORK

North Carolina—Atlantic Coast Line Ry., Atlantic Coast Line Bldg., Wilmington, plans 45 mi. double track, installation of automatic signals, equipment, yards and other improvements. $13,000,000. J. E. Willoughby, ch. engr.

Tennessee—See "Miscellaneous" under Nashville.

Michigan—Michigan Northern R. R., c/o E. B. Ramsey, pres., 522 West Franklin Ave., Lansing, had plans prepared 102 mi. single track, 80 lb. steel, $17,000 per mi., incl. depots, switches, cinder ballast, (exclusive of rolling stock), operating through Ingham, Gratiot, Isabella and Midland Counties. Project before commission at Washington. Terminals will be located at Lansing and Midland. $1,800,000.

California — See "Miscellaneous under Eureka."

California—See "Bridges, under Merced."

BIDS DESIRED

Washington—Jan. 1, by Longview, Portland & Northern Ry. Co., Kelso, roadbed, bridges and culverts for approximately 8½ mi. railroad in Cowlitz Co. W. Vandercook, Kelso, ch. engr.; adv. this issue.

CONTRACTS AWARDED

Oregon—Oregon-California-Strahorn R.R. c/o D. H. McCarthy, genl. mgr., Klamath Falls, grading 12 mi. extension between Hilderbrand and Sprague River, to Nettleton, Bruce & Eschbach Co., Amer. Bank Bldg., Seattle, Wash., $175,000.

Excavation, Drainage, Irrigation

PROPOSED WORK

Miss., Sumner — Comrs Upper Quiver River D. D. soon takes bids 870,000 yd. floating dredge, 590,000 yd. large dragline and 790,000 yd. small dragline work. H. L. French, Sumner, ch. engr. A. L. Dabney, 2245 Court St., Memphis, Tenn., consult. engr.

Tex., Orange—Orange Co. election Dec. 30 to vote on $250,000 bond issue for channel improvements. J. E. Johnson, Orange, engr.

Tex., Uvalde—Uvalde Co. election Dec. 30, to vote on $2,000,000 bonds to create Frio Irrigation Dist., incl. 40,000 acres. M. B. Hodges, co. engr.

Tex., Victoria—Attorney Generals Dept., Austin, approved $36,000 bond issue for new ditch work in Victoria D. D. 4. J. G. Johnson, Victoria, engr.

Okla., Pauls Valley—Voted $45,000 bonds for 7,000 ft. drainage ditch. Mathews & Hawley, Ardmore, engrs.

Wash., Pasco—Burbank Irrigation Dist. plans irrigating 22,000 acres in Franklin and Walla Walla Counties, wing dam at Strawberry Island, locks for navigation on Snake River and power plant. $1,300,000. War Dept. may appropriate $700,000, cost of locks. Engineer not selected.

Wash., Spokane—See "Waterworks."

Calif., Ukiah—J. F. Williams, Box 285, Fortuna, had plans prepared 25,185 lin.ft. canal, 25 ft. wide on top, 5 ft. on bottom, 10 ft. deep; concrete storage dam, 300 ft. high, 665 ft. long, 138 ft. long on bottom, 15 ft. wide, storing 137,385 acre ft. water; power plant equipped with turbine water wheels utilizing fall of 430 ft., developing 22,580 hp., 500 sec.ft. through Penstocks. Water to be taken from North Fork of Eel River, Mendocino Co. $2,000,000. Engineer not announced.

BIDS DESIRED

N. Y., Brooklyn—Dec. 13, by E. Riegelmann, boro pres., Boro Hall, dredging Fresh Creek from head of Fresh Creek Basin to channel of Jamaica Bay.

Calif., Berkeley—See "Miscellaneous."

CONTRACTS AWARDED

N. C., Asheville—E. W. Grove, excavation and removal of Battery Park Hill, where Battery Park Hotel now stands, preparatory to construction of new 200 room hotel, to Woodcock & Reed, Asheville, $250,000. Noted Nov. 16, under "Buildings."

Ky., Greenville—Bd. Drainage Comn., dredging 13 mi. ditch to straighten Caney and Pond Creeks, ending near Green River, 162,000 cu.yd. excav., to Wisconsin Drainage Co., Elkhorn, Wis., $0.12 per cu.yd., total $19,400. Bd. Drainage Comn. clears all right of way and builds bridges, if any are needed. Noted Oct. 19.

Streets and Roads

PROPOSED WORK

New York—H. S. Sisson, comr. State Hy. Dept., Albany, received no bids Nov. 21, reconstructing 1.5 mi. Repair Contr. 3036, Montgomery Co. $56,801. Noted Nov. 9.

New York—H. S. Sisson, comr. State Hy. Dept., Albany, rejected bids opened Nov. 21, reconstructing 2.5 mi. Repair Contr. 3037, Highway 152, Fonda east, Montgomery Co. $94,505. Noted Nov. 9.

N. Y., Binghamton—Broome Co. plans to expend $75,000 for road building in 1923. H. A. Williams, Binghamton, co. engr.

N. J., Penns Grove—Plans paving Delaware, Penn, Franklin, Harmony, Pitman, Sack and Beach Sts., 2 mi. long, bituminous macadam. $40,000. Address Mayor Kidd.

Pa., Phila.—Plans to expend $3,000,000 for paving work next year. F. C. Dunlap, City Hall, engr.

Va., Fairfax—Fairfax Co. voted $275,000 bonds for concrete road from here to Falls Church, 18 ft.

Florida — State Hy. Dept., Tallahassee, rejected bids opened Nov. 14, clearing and surfacing 11.6 mi. road from Lake City to Wellborn, State Project 504, Columbia and Suwannee Counties. W. F. Cocke, state highway engr. Noted Nov. 23.

Fla., Key West—Plan election to vote on $50,000 bonds improving various streets. B. C. Moreno, Key West, engr.

Fla., St. Augustine—St. Johns Co. election Dec. 19, to vote on $500,000 bonds constructing 70 mi. county roads. J. F. Rodenbaugh, St. Augustine, engr.

Fla., West Palm Beach—Having plans prepared paving, curbing and guttering Florida Ave. and alley, also Flagler Dr. and alley, $25,400; Tamarino, Alley, Frederick, Douglass, Iris, Gardenio and A Sts., 3rd, 7th and 14th Aves., etc., $25,400; Fern, Jessamine, Datura, Okeechobee, Railroad and Division Sts., 15th and 20th Aves., $25,500; 21st St. from Tamarino St. to Lincoln Park, 38th and Olive Sts., 11th, McKinley and Ely Aves., East Parkway, Allendale Rd., Bingham and Lytton Courts, $28,300. K. Riddle, West Palm Beach, engr.

Ala., Birmingham—City takes bids in about 60 days, grading and paving 1 mi. Ave. F Ensley, 10,400 lin.ft. 24 in. combined concrete curb and gutter, 17,000 sq. yd. asphalt on concrete. $56,000. A. J. Hawkins, city engr.

Ala., Birmingham—City and Jefferson Co. take bids in about 60 days, grading, curbing, guttering, paving and laying sidewalks on 2½ mi. Pratt City; Ensley Rd., 38 ft., 60,000 sq.yd. asphalt on concrete, 26,000 lin.ft. combined concrete curbing and guttering. $135,000. A. J. Hawkins, city engr.

Tenn., Nashville—See "Miscellaneous."

Kentucky—State Hy. Dept., Frankfort, plans constructing 9 mi. Gracey Rd. from Hopkinsville to Gracey, connecting with Federal Aid Rd., crossing Trigner Co. to Eggners Ferry on Tennessee River. J. S. Boggs, state highway engr.

Kentucky—State Hy. Dept., Frankfort, having plans prepared grading ¾ mi. Louisville-Paducah Rd., Ohio River Route, Crittenden Co. J. S. Boggs, state highway engr.

O., Akron—W. F. Peters, dir. Pub. Serv., takes bids early in 1923 grading and paving 1,200 ft. 5th Ave. from South Arlington to Elbon Sts., 26 ft., 2,180 lin.ft. stone and 375 lin.ft. granite curb, 1,000 sq.ft. cement sidewalk, 3,400 cu.yd. earth excav., 3,980 sq.yd. vitr. brick on 6 in. concrete. $28,000. E. A. Kemmler, Delaware Bldg., engr.

O., Canton—Stark Co. plans paving 2 mi. Canton-Sherman Church Rd., 16 ft., and 5 mi. Navarre-Richville Rd., 16 ft., both vitr. brick. G. Sickafoose, Court House, engr.

Ind., Logansport—Cass Co. plans gravel surfacing 15,300 ft. Merritt-Cole-Dolbee Rd., 16 ft. $25,277. J. Bennett, Logansport, engr.

Wis., Ashland—Ashland Co. appropriated $82,489 for county and state aid road and bridge construction during 1923. W. E. Dillon, comr.

Wis., Elkhorn—Walworth Co. voted to construct following roads in 1923; 5.9 mi. Spring Burlington Rd., State Trunk Highway 20, concrete, $150,600; 1½ mi. Darien-Sharon Rd., concrete, $34,666; 4½ mi. Whitewater-La Grange Rd., State Trunk Highway 12, concrete $130,000; ½ mi. Whitewater-Palmyra Rd., concrete $13,000; 9 mi. Lake Geneva-Genoa Junction Rd., concrete $270,000; 1½ mi. Elkhorn-Tibbets Rd., concrete $35,400; 3½ mi. East Troy-Beulah Rd., gravel, $22,000; 4½ mi. Delavan-Walworth Rd., gravel $24,000; 2½ mi. Spring Prairie-East Troy Rd., gravel $15,000; 4.7 mi. Delavan-Millard Rd., gravel $25,000. H. J. Peters, comr.

Wis., Fond du Lac—Fond du Lac Co. appropriated $1,263,373 for construction of concrete and gravel roads as follows: 5 mi. Fond du Lac-Calumet Rd., Trunk Highway 56, 18 ft. concrete, $150,646; Trunk Highway 55 in Village of Eden, Towns of Eden, Asceola and Auburn, 18 ft. concrete, $274,500; Highway 103, Towns Springvale, Lamartine, Waupin and Oakfield, 16 ft. concrete, $145,000; Highway 23 in Village of Rosendale, Towns of Springvale, Rosendale, Eldorado and Lamartine, 18 ft. concrete, $195,000; Highway 91 City of Ripon, Towns of Ripon and Rosendale, 18 ft. concrete, $160,000; 3½ mi. Highway 49, 16 ft. concrete, $100,000; Eden-Armstrong Co. Oshkosh Rd. Town Eldorado, 16 ft. gravel, $40,000; Fond du Lac, Oakfield Rd., 16 ft. gravel, $40,000; Lamartine-Woodhull Rd., 16 ft. gravel, $3,000; Waupun-Brandon Rd., 16 ft. gravel, $50,000; Fairweather-Waupun Rd., 16 ft. gravel, $80,000. Campbellsport St., Kilian Rd., gravel, $50,000. 2½ mi. Waupun-County Line Rd., gravel, $10,000. G. Treleven, comr.

Wis., Green Lake—Green Lake Co. appropriated $81,866 for county and state aid road and bridge construction during 1923. D. C. Williams, comr.

Wis., Jefferson—Jefferson Co. Bd. voted to improve 27.985 mi. state roads in 1923 as follows: Oconomowoc-Watertown Rd., State Trunk Highway 19, 18 ft. concrete; 1½ mi. State Trunk Highway 107, 18 ft. concrete, also curb and gutter to be laid at expense Village of Lake Mills; Ixonia-Watertown Rd., State Trunk Highway 18, 18 ft. concrete; Portland Waterloo Rd., State Trunk Highway 19, 18 ft. concrete; Whitewater Fort Atkinson Rd., State Trunk Highway 12, 18 ft. concrete; Watertown-Hubbleton Rd., State Trunk Highway 19, 18 ft. concrete; Ft. Atkinson-Cambridge Rd., State Trunk Highway 12, 18 ft. concrete. R. D. Royce, Ft. Atkinson, comr.

Wis., La Crosse—La Crosse Co. appropriated $25,000 for road oil and oiling roads. J. Hintgen, comr.

Wis., La Crosse—La Crosse Co. made following appropriations for road construction, etc., during 1923; $39,461 to meet town appropriations for road and bridge work; $7,900 for east French Island Rd.; $50,000 to operate Holland quarry and complete road construction on No. 11 between Midway and Onalaska; $25,000 to complete 2½ mi. surfacing on Trunk Line 108; $35,000 to surface portion Highway 21; $25,000 to

Streets and Roads (Continued)

surface No. 21 to point where it connects with Highway No. 28; $20,000 for shaling and relocating Highway 108 to Jackson Co. line; $15,000 for heaving grading work. J. Hintgen, comr.

Wis., Montello—Marquette Co. appropriated $25,674 for county and state aid road and bridge construction during 1923. H. Schmitz, comr.

Wis., Oshkosh—Winnebago Co. Bd. voted to issue $117,000 bonds for improvements to following roads: Oshkosh-Ripon Rd. $50,000; Fremont-Zitau-Winchester-Neenah Rd., 18 ft. concrete, $67,000; Fremont-Zittau-Winchester-Neenah Rd., 16 ft. concrete $20,451; concrete road between here and Ripon $34,108; Pansy bridge, Town of Nekimi $1,600. J. Binning, comr.

Wis., Phillips—Price Co. appropriated $84,689 for county and state aid road and bridge construction during 1923. B. M. Griffin, comr.

Wis., Watertown — Common Council passed ordinance concrete paving, curbing and guttering Milford, West Milwaukee, Milwaukee, North 6th and 5th Sts., 30 ft. $50,000. A. Kraeft, city engr.

Ia., West Union—Making plans, paving various streets during 1923. $50,000. H. R. Green, Savings Bank Bldg., Cedar Rapids, engr.

Kan., Independence — Montgomery Co. making plans and soon takes bids graveling 5.35 mi. Independence Caney Rd., Project 121 B, 18 ft. H. K. Hibbard, co. engr.

Kan., Larned—Comrs. Pawnee Co. soon take bids sand clay surfacing 13.419 mi. Santa Fe Trail, 18 ft. $65,000. V. Stuart, co. engr.

Kan., Mound City—Linn Co. soon takes bids paving 3 mi. La Cygne Pleasanton Rd., Federal Aid Project 132 A, 18 ft., concrete, brick or bituminous pavement. C. E. Kenney, co. engr.

Kan., Oswego—Labette Co. making plans and soon takes bids graveling 0.619 mi. Ozark Trail, 18 ft. $25,000. W. J. King, co. engr.

Kan., Salina — Comrs. Saline Co. had plans prepared and soon takes bids grading 15 mi. Bee Line Rd., 30 ft. $100,000. W. H. Cost, co. engr.

Kan., Wichita—Plans concrete paving 14½ blocks incl. Walnut, Jackson, Sedgwick, Carlos, Lewellyn, Hendryx, Ida, Harrison, Jackson and alley west of Water Sts.; asphaltic concrete paving on 4 blocks, incl. Wellington, Market and Ida Sts.; vertical fibre brick paving on 7½ blocks incl. Market, 11th, 3rd, Osage and alley north of Douglas; asphalt paving 6 blocks incl. Wichita, Bitting, Elm and Hydaulic Sts.; curbing and guttering 2,400 ft. Circle Driver and Ellis St. P. L. Brockway, City Bldg., engr.

Kan., Wichita—Sedgwick Co. had plans prepared and takes bids about Dec. 23 grading, etc., 3½ mi. South Hillside Rd. and 29th St. M. Roseberry, co. engr.

Minn., Hutchinson — Having plans prepared paving various streets. $40,000. C. L. Pillsburg Co., 1200 2nd Ave. S., Minneapolis, engrs.

S. D., Hot Springs — Plans paving 10 blocks Lincoln, Jennings and Parks Aves., and probably Chicago Ave. $40,000. J. A. Pfeiler, city aud.

N. D., Fargo—Plans paving 82 blocks, incl. 120,000 sq.yd. $550,000. R. T. Jacobson, city engr.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, takes bids in spring paving 1,900 ft. Chouteau St. from Compton Ave. to Grand Blvd., 7,900 sq.yd. asphalt, etc., $16,400; 4,700 ft. Chouteau St. from Vandeventer St. to Kingshighway, 21,245 sq.yd. asphalt, etc., $61,400. W. W. Horner, 301 City Hall, engr. Noted Oct. 26.

Mo., St. Louis—See "Miscellaneous."

Mo., St. Louis—Feb. 9, to vote on $8,650,000 bonds (Proposition 1) for establishing, opening and widening various streets; $5,800,000 bonds (Proposition 3) paving, repaving and improving streets and highways. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis—Plans grading and paving 5,600 ft. Arsenal St. from 59th St. to tracks of St. Louis & San Francisco R.R., 30 ft., 11,200 lin.ft. concrete curbing, 17,365 sq.yd. 7 in. concrete, $80,400; 2,250 ft. Taylor Ave. from Bway. to West Florrissant Ave., 40 ft., 4,500 lin.ft. concrete curbing, 10,350 sq.yd. warrenite on concrete, $53,350; relaying and recutting old granite and furnishing new material where needed on 3,100 ft. 7th St. from Market St. to Choteau Ave., 40 ft., 12,115 sq.yd. recut granite block, $82,700. W. W. Horner, 301 City Hall, engr.

Tex., Carthage—Panola Co. election Dec. 23, to vote on $750,000 bond issue for road improvements. A. D. Nelson, co. judge.

Tex., Coleman—Coleman Co. election Dec. 20 to vote on $30,000 bond issue for road construction and highway improvements in Taylor Rd. Dist. 3. W. E. Dickerson, co. engr.

Tex., Palestine—Anderson Co. voted $1,500,000 bond issue for hard surfacing 82 mi. roads. C. R. Stewart, co. judge. Noted Nov. 2.

Tex., San Antonio—Bexar Co., Bureau Rds. approved grading, gravel and bituminous surfacing 2.23 mi. Highway 9, Medina-Atascosa Rd., Federal Aid Project 239, 16 and 18 ft. $51,366. R. E. Killmer, co. engr.

Tex., Silverton—Brisco Co. had plans prepared grading 35 mi. various roads. $160,000. Midwest Eng. Co., Silverton, engrs.

Ore., Bend—Deschutes Co. voted $15,180 for market roads. State will add like amount. R. W. Sawyer, chn. co. comrs.

Ore., Eugene—Lane Co. budget provides $148,694 bonds for roads and bridges, also $55,491 (to which State will add like amount) for market roads. L. N. Rooney, Cottage Grove, chn. co. comrs.

Calif., Chico—Having plans prepared and will take bids about first of year improving 56 blocks, 675,000 sq. ft. paving, 16,000 lin.ft. gutters. F. S. Robinson, city engr. Noted Sept. 14.

Calif., Dinuba—Had plans prepared improving Golden Way between 2nd and College Aves., 55,000 sq.ft. 1½ in. warrenite on 4 in. concrete, 3,300 lin.ft. concrete curb, 6,600 sq.ft. concrete gutter, 1,360 sq.ft. concrete walks, 1,500 cu.yd. excav., etc. C. E. Sloan, Santa Fe Bldg., San Francisco, engr.

Calif., Oakland—Had plans prepared improving Orion St. between 57th and 62nd Aves., 68,560 sq.ft. grading, 2,409 lin.ft. concrete curb, 4,998 sq.ft. concrete gutter, 33,362 sq.ft. oil macadam, 14,996 sq.ft. cement walks, etc. W. W. Harmon, city engr.

Ont., London — Preparing plans asphalt pavements. $250,000. Prices wanted on materials. H. A. Brazier, city engr.

BIDS DESIRED

N. Y., St. George—Dec. 15, by J. A. Lynch, pres. Richmond Boro, Boro Hall, repaving Bay St. from Hannah to Thompson Sts., granite block on present concrete and partly on new concrete.

N. Y., St. George—Dec. 11, by J. A. Lynch, pres. Richmond Boro, Boro Hall, concrete sidewalks on northeast side of Lincoln Ave. from Southfield Blvd. to point 4,637 ft. southerly therefrom; sanitary sewer in Quinlan Ave. from Richmond Turnpike to point 1,200 ft. southerly therefrom.

North Carolina—Dec. 14, by State Hy. Comn., Raleigh, grading and paving 4.77 mi. State Project 961, 12 ft., Macon Co., 4,000 cu.yd. excav., 34,170 sq.yd. waterbound or penetration macadam. C. M. Upham, state highway engr.

S. C., Allendale—Dec. 19, by Allendale Co., constructing 8.43 mi. State Route 28, between Martins and Barnwell Co. line, 54,629 cu.yd. excav., 20,675 cu.dy. sand clay surfacing, 514 lin.ft. rein.-con. pipe, 257 cu.yd. plain and rein.-con., 17,187 lb. reinforcing, etc.; also separate bids creosoted timber bridge, 14 x 14 ft. spans, 29,585 ft. treated timber, 1,410 lin.ft. treated piling, 2,132 lb. hardware and 394 sq.yd. paving. $40,000. J. E. Bryan, Allendale, engr.

Fla., Tampa—Dec. 12, by C. H. Brown, mayor, paving various streets with 2½ in. asphalt block, granite curb. $88,200. R. D. Martin, city engr.

Fla., Jacksonville — Dec. 14, by City Comn., paving various streets, with brick on 6 in. concrete with granite curb, relaying present brick on sand and putting on bituminous filler, brick on 7 in. limerock with granite curb, 2 in. asphaltic concrete on 6 in. concrete with concrete curb, 6 in. concrete with bituminous macadam and concrete curb, 2 in. bituminous macadam penetration on 6 in. limerock base and concrete curb, resurfacing brick with 1½ in. asphalt on bituminous binder. $724,149. W. E. Sheddan, city engr.

Ohio—Dec. 19, by Dept. Highways and Pub. Wks., at Southern Hotel, Columbus, grading, bridging and paving roads in following counties:

Ashland Co., Sect. "B-2", Ashland-Norwalk Rd. 1.0913 mi., rein.-con., $33,827, brick $39,579.

Clark Co., Sect. "B" Dayton-Lakeview Rd., 1.545 mi., rein.-con. $50,827, bituminous macadam, asphalt or tar $42,105.

Lake Co., Sect. "B" Cleveland-Buffalo Rd., 1.089 mi., brick $58,377.

Lake Co., Sect. "A", Painesville-Ravenna Rd., 3.42 mi., rein.-con. $88,457.

Lorain Co., Sect. "E" Medina-Norwalk Rd., 2.11 mi., bituminous macadam, asphalt or tar $54,408, rein.-con. $66,961.

Wood Co., Sect. "B" Perrysburg-Fostoria Rd., 1.549 mi., bituminous macadam, asphalt or tar $38,781. L. C. Herrick, dir. highways.

O., West Park—See "Sewers."

Ia., Mt. Ayr—Dec. 12, by Auditor Ringgold Co., grading 6 mi. Federal Aid Project 141, 69,046 cu.yd. excav.; 6 mi. Federal Aid Project 142, 111,868 cu.yd. excav. $30,000. S. E. Sime, Mt. Ayr, engr.

Minn., Duluth—Dec. 22, by W. H. Borgen, aud. St. Louis Co., improving Bong Lake Rd., Sects. 20 and 21, Twp. 63, Range 12 West, Job 4-2201; State Rd. 1, Twp. 63, Range 17, and Twps. 63 and 64, Range 18, from Constr. Station 80 to Constr. Station 546, Jobs 4-2202 and 4-2203 respectively, total length 6 mi. $40,000. R. W. Acton, co. engr.

Minnesota—Dec. 28, by State Hy. Dept., St. Paul, improving 2.4 mi. State Project 12-22, Federal Aid Project 310, 24 ft., 108,000 cu.yd. excav., portable culverts; Bridge 3697, 147 ft. long, steel and concrete, Bridge 3698, 30 ft. long, and Bridge 3699, 30 ft. long, Carver Co. $35,000. State Hy. Dept., 1246 University Ave., St, Paul, engrs. Noted Nov. 16.

Kan., Emporia — Dec. 19, by Comrs. Lyons Co. paving 10 mi. Federal Aid Project 30, Sects. C and D, 18 ft., concrete or brick. W. S. Ruggles, Emporia, engr.

Kan., Kansas City—Dec. 29, by Comrs. Wyandotte Co. concrete paving 1.027 mi. Golden Belt Rd., Federal Aid Project 129, 18 ft. $35,000. O. K. Williamson, co. engr.

Kan., Larned—Jan. 5, by Comrs. Pawnee Co. sand clay surfacing with necessary grading, etc. 13.419 mi. Santa Fe Trail, 18 ft. $80,000. V. Stuart, co. engr.

Mo., St. Louis—Jan. 2, by Bd. Pub. Serv., 208 City Hall, widening, etc. 7,200 ft. Chouteau Ave. from Bway. to Jefferson Ave., 56 ft., 13,800 lin. ft. granite curb, 4,000 cu.yd. concrete base, 32,000 sq.yd. recut granite block. $194,000. W. W. Horner, 301 City Hall, engr. Noted Oct. 26.

Neb., Harvard—Dec. 14, by C. R. Traut, city clk., 15,000 sq.yd. paving, 6,300 lin. ft. curbing, etc., in Dist. 1, concrete $60,810, asphalt $63,870 and brick $73,720. Grant, Fulton & Letton, 505 Bankers Life Bldg., Lincoln, engrs. Noted Sept. 14.

Tex., Hondo—Dec. 12, by R. J. Noona, judge Medina, Co., grading, gravel surfacing and topping 10.75 mi. State Highway 3 from here to Dunlay, 18 ft., 962.6 cu.yd. concrete, 103,326 sq.yd. 1 in. bituminous macadam, 31,659 cu.yd. gravel surfacing, 92,675 lb. reinforcing, $157,974; 11.55 mi. State Highway 3 from Bexar Co. line through Castroville, 16 ft., 1,347.4 cu.yd. concrete, 47,465 cu.yd. roadway and 31,204 cu.yd. borrow excav., 120,985 lb. reinforcing, 30,228 cu.yd. gravel surfacing, $179,977. Walton & Arneson, 418 Gunter Bldg., San Antonio, engrs.

Tex., Waco—Dec. 15, by G. P. Lester, judge, McLennan Co., grading, gravel surfacing and bituminous topping 3.7 mi. State Highway 7, McGregor Rd., 16 ft., 3,791 cu.yd. roadway excav., 16,402 gal. bituminous asphalt, 200 cu.yd. concrete, 787 cu.yd. cover material, 3,791 cu.yd. sledged stone. $32,075. M. Hannah, co. engr. Noted Sept. 28.

California—Dec. 18, by State Hy. Dept., Sacramento, grading 11.8 mi. highway between Nevada City and Little Deer Creek, Nevada Co., 7.4 mi. between point 3½ mi. southeasterly from Hueneme Rd. and Ridge Ranch, Ventura Co.; grading and paving with asphalt macadam 8.2 mi. between Morrisons Crossing and 1 mi. south of Marysville, Yuba Co., 8.2 mi. between Hollister and Pacheco Pass Rd., San Benito and Santa Clara Counties, 14.2 mi. road in Madera Co.; grading and paving with portland cement concrete 1.8 mi between Hercules and Rodeo, Contra Costa Co. A. B. Fletcher, state highway engr.

California—Dec. 26, by State Hy. Dept., Sacramento, grading 3.3 mi. road between

Streets and Roads (Continued)

Donner Summit and Donner Lake, Nevada Co.; grading and asphaltic concrete paving 9.4 mi. road between New County Well and Old County Well at Plank Rd., Imperial Co. A. B. Fletcher, state highway engr.

Calif., Arcata—Dec. 21, by City Trustees, improving various streets, 7,265 lin.ft. concrete curb, 11,330 sq.ft. concrete gutter, 308,070 sq.ft. grading, 255,580 sq.ft. 5 in. asphaltic concrete, 2 course. W. S. Farley, Monadnock Bldg., San Francisco, engr. Noted Oct. 26.

Quebec—Dec. 16, by J. L. Boulanger, deputy minister of highways, Quebec, graveling 11.97 mi. Rawdon-L'Assomption Highway in towns of Rawdon, St. Jacques, St. Alexis, Montcalm, St. Esprit, St. Roch and L'Epiphanie. M. Nectkar, ch. engr. This corrects report in Nov. 23 issue. Noted Nov. 23.

BIDS RECEIVED

New York—H. S. Sisson, comr. State Hy. Dept., Albany, improving 3.57 mi. Highway 8133, Hamilton Co., to C. J. Burgess Co., Marcy, $130,488, engrs. est. $134,118; 3.71 mi. Highway 8138, Orange Co., to H. Hull, Highland Mills, $138,792, engrs. est. $152,864; 2.67 mi. Highway 8137, Saratoga Co., to Malloy Constr. Co., 434 State St., Schenectady, $82,945, engrs. est. $91,930; 2.41 mi. Highway 1682, Suffolk Co., to R. W. S. Corp., 30 Church St., New York City, $85,668, engrs. est. $96,815; 0.09 mi. Highway 8066-A, Suffolk Co., to M. J. Rush, New York City (street address not available) $10,302, engrs. est. $11,449; 4.25 mi. Highway 8139, Chautauqua Co., to Greenfield Constr. Co., 89 Main St., Hornell, $153,872, engrs. est. $162,486; 4.27 mi. Highway 8141, Columbia Co., to Lane Constr. Corp., 37 Colony St., Meriden, Conn., $164,822, engrs. est. $165,865; 0.24 mi. Highway 1652, Nassau and Suffolk Counties, to C. Heling, Lindenhurst, $12,888, engrs. est. $13,600; 1.33 mi. Highway 1653, Saratoga Co., to Collins Bros., Mechanicville, $51,893, engrs. est. $54,453; 2.24 mi. Highway 8140, Wayne Co., to Ribstein-Holter Co., Inc., Rochester (street address not available) $74,218, engrs. est. $81,304; reconstructing 2.27 mi. Repair Contr. 3033, Broome Co., to A. Yesu & Son, 27 Carroll St., Binghamton, $65,648, engrs. est. $67,433; 3 mi. Repair Contr. 3029, Chemung Co. and 2.5 mi. Repair Contr. 3021, Steuben Co., to Wieberg Bros., Buffalo (street address not available) $98,738, engrs. est. $112,101 and $72,192 engrs. est. $80,942 respectively; 3.19 mi. Repair Contr. 3031, Clinton Co., to Hogeboom & Campfield, Inc., Kingston, $49,204, engrs. est. $56,596; 2 mi. Repair Contr. 3032, Otsego Co., to Morrell Vrooman, Inc., Gloversville, $73,294, engrs. est. $74,419; 2.36 mi. Repair Contr. 3035, Suffolk Co., to E. Gould, Brooklyn (street address not available) $68,761, engrs. est. $76,704; 2.67 mi. Repair Contr. 3034, Westchester Co., to Frederick Roeber Co., Inc., 507 5th Ave., New York City, $113,296, engrs. est. $124,701; 2.04 mi. Repair Contr. 3038, Onondaga Co., to C. D. Murray, 701 Westcott St., Syracuse, $63,912, engrs. est. $70,125; 1.43 mi. Repair Contr. 3039, Orange Co., to H. H. Smith, Middletown, $52,203, engrs. est. $58,471; 1.74 mi. Repair Contr. 3040, Orange Co., to B. C. Ackar, Troy (street address not available) $52,941, engrs. est. $55,409; 1.99 mi. Repair Contr. 3041, Tompkins Co., to O'Day & Ambrose, Binghamton (street address not available) $65,114, engrs. est. $67,443. Noted Nov. 2 and 9.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, opened bids Nov. 29, paving (1) Eldert Lane, grading, curbing and flagging (2) 78th St. (3) Ave. I, laying cement sidewalks on (4) west side Flatbush Ave., from Sicilian Asphalt Paving Co., 41 Park Row, New York, (1) $22,002; Cranford Co., 52 9th St., (1) $22,086; Borough Asphalt Co., 1301 Metropolitan Ave., (1) $23,273; T. B. Scott, 671 Halsey St., (2) $1,787 (3) $2,167 (4) $655; F. Persicano, 350 Fulton St., (2) $1,964 (3) $2,167; P. Carbone, 95 Bay 25th St., (2) $2,078 (3) $2,450 (4) $686; A. E. Castle, 3313 Tilden Ave., (3) $2,111 (4) $522. Noted Nov. 23.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., opened bids Nov. 27, curbing, recurbing, flagging, reflagging and paving (1) Pleasant Ave. (2) 9th Ave. (3) West 192nd St. (4) West 173rd St. all above with sheet asphalt (5) West 100th St., granite block, from Asphalt Constr. Co., 2197 Madison Ave., (1) $5,198 (2) $3,861 (3) $4,049 (4) $12,769; Brusstar Constr. Co., Harlem River and 150th St., (1) $6,004 (2) $3,854 (3) $4,074 (4) $14,265; C. D. Beckwith, 2875 Bway., (1) $6,261 (2) $4,123 (3) $4,300 (4) $13,857; Burnside Contg. Co., 270 Burnside Ave., (5) $15,718; P. J. Kearns Contg. Co., 2306 Creston Ave., (5) $18,760. Noted Nov. 23.

N. Y., Richmond Hill—Park Bd. at office Dept. Parks., Municipal Bldg., New York, opened bids Nov. 29, improving main drive in Forest Park, Boro of Brooklyn, here, from Cleveland Trinidad Paving Co., Flushing, $106,510; H. E. Kordes Co., 2577 Cooper St., Brooklyn, $108,157; W. P. McDonald Constr. Co. 17 West 42nd St., New York, $108,775. Noted Nov. 23.

Pa., Phila.—Opened bids Dec. 1, grading (1) Lansdowne Ave. from 66th St. to Haverford Ave. (2) Churchview St. from Tower to Terrace Sts. (3) Bridge St. from Roosevelt Blvd. to Sumnerdale St., from Barber Asphalt Paving Co., Land Title Bldg., (1) $44,913; Eastern Paving Co., Colonial Trust Bldg., (1) $48,673; Byrne & Davis, 20th and Clearfield Sts., (2) $40,422; Ferrante & Cellecci, 16th and Dickinson Sts., (2) $45,235 (3) $36,780; R. B. Wenner, Phila. (street address not available) (2) $52,765; D. DeLisle, 4842 Lightgow St., (3) $25,212; T. L. Flannigan, 1204 East Montgomery Ave., (3) $32,752.

Louisiana—State Hy. Dept., Reymond Bldg., Baton Rouge, opened bids Nov. 28, 9.8 mi. Winnsboro-Rayville Highway, from W. H. Harris, Monroe, $50,280, Lawrence, Nixon & Philips, Jackson, Miss., $56,968, O'Neal Bros., c/o State Highway Comn., $65,328; 4.97 mi. Morgan City-Thibodaux Highway, incl. trestle and bridge work, from Picard Contg. Co., New Orleans, (street address not available) $141,659, L. A. Loustalot, Franklin, $176,525; 7.8 mi. Melville-Port Allen Highway, Sect. A, from S. A. Gano, Maison Blanche Bldg., New Orleans, $30,002, Vickman & Tercuit, Donaldsonville, $31,083, Laiche & Miller, c/o State Highway Comn., $32,266; 11.48 mi. Melville-Port Allen Highway, Sect. B, from C. and H. A. Tercuit, Donaldsonville, $22,243, Laiche & Miller, c/o State Highway Comn., $22,357, Pickett & Hollier, Opelousas, $23,403.

Ind., Evansville—Vanderburg Co. opened bids graveling 15,400 ft. E. I. Smith Rd., 16 ft., from R. W. Martin, Slaughter St., $25,577; M. Saunders, Mt. Vernon, $25,896. Engrs. est. $26,947. Noted Oct. 26.

Ind., Terre Haute—Vigo Co. opened bids paving 11,220 ft. A. Fromme Rd., 30 ft., 37,400 sq.yd. concrete on concrete, from Carpenter Constr. Co., Terre Haute (street address not available), $80,762, Foulkes Constr. Co., 705 Ohio St., $86,302, Premier Constr. Co., Terre Haute (street address not available), $89,860, engrs. est. $112,769; grading and graveling 8.5 mi. John N. White Rd., 30 ft., from Carpenter Constr. Co., Terre Haute (street address not available), $84,002, W. L. White, Terre Haute (street address not available), $95,160, Pfizenmeyer Constr. Co. (address not available), $98,066. Engrs. est. $110,983. Noted Oct. 19.

Tex., La Grange—Fayette Co. (a) grading and gravel surfacing, (b) rein.-con. drainage structures, on 12.87 mi. Highway 3-B, Federal Aid Project 286, 16 ft., from P. G. Burns, San Bernardino, (b) $67,169; L. Robertson, Schulenburg, (b) $74,186; W. T. Hutto & Sons Gonzales, (a) $69,825; M. M. Craven, Fredericksburg, (a) and (b) $167,297. Engrs. est. $162,565. Noted Nov. 16.

Tex., Sinton—San Patricio Co. surfacing with 1 in. limestone rock asphalt 15.06 mi. State Highway 9, 16 ft., from Uvalde Rock Asphalt Co., 1111-14 City Natl. Bank Bldg., San Antonio, $117,687; R. W. Coglazier, 910 Austin St., San Antonio, $118,698. Engrs. est. $125,000. Noted Nov. 16.

Wash., Seattle—Opened bids Nov. 24 grading and laying sewers in 16th Ave. N.W., 18,850 cu.yd. earth excav., 4,016 ft. 10-15 in. (a) clay or (b) concrete pipe, from J. A. Tomei & Co., 1017 East 66th St., (a) $30,298, (b) $29,730; V. Ramaglia, 4411 Corliss Ave., (1) $31,247, (b) $30,422; Hauge & Espaland, 1813 North 50th St., (a) $33,781, (b) $33,525. Engrs. ets. $32,703.

Calif., Fresno—Improving Moroa Ave. between Peralta Way and Olive Ave., 91,855 sq. ft. grading, 62,440 sq. ft. asphalt, 9,411 ft. concrete gutter, 5,213 ft. concrete curb, 9,889 ft. concrete walks, etc., from Thompson Bros., Divisadero and G Sts., $29,824; Federal Constr. Co., Call Bldg., San Francisco, $30,515; Califoria Road & Street Impvt. Co., Bank of Italy Bldg., $31,070.

Calif., Modesto—Improving (1) 16th St. between I and Burney Sts., (a) 89,675 sq. ft. grading (b) 84,577 sq. ft. 1½ in., warrenite on 2½ in., asphaltic concrete (c) 5,098 ft. concrete gutter (d) 3,387 ft. concrete curb (2) Poplar Ave. between Needham and Stoddard Ave., (a) 58,547 sq.ft. grading (b) 54,881 sq.ft. paving (c) 3,666 ft. gutters (d) 2,432 ft. concrete curb, etc., from Standard Paving Co., 141-9th St., (1b) $0.17 (1c) $0.20 (1d) $0.70 (2a) $0.05 (2b) $0.17 (2c) $0.20 (2d) $0.70; A. Teichert & Son, Oehsner Bldg., Sacramento, (1a) $0.049 (1b) $0.175 (1c) $0.22 (1d) $0.69 (2a) $0.049 (2b) $0.175 (2c) $0.22 (d) $0.69.

Calif., San Anselmo—Improving streets in Barber Tract, from Heafey-Moore-McNair, 2030 High St., Oakland, $28,923; J. A. Mero, Richmond (street address not available) $31,009; Blumenkranz & Vernon, Farmers and Merchants Bank Bldg., Stockton, $40,333. Noted Oct. 26.

CONTRACTS AWARDED

Connecticut—State Hy. Dept., Hartford, paving 8,270 ft. State St., 20 ft., in Hamden, rein.-con., to R. D. Daley & Co., 6 Church St., New Haven, $29,453 (cement and steel reinforcing furnished by state); 3,900 ft. Cornwall Hollow Rd., 18 ft., in Cornwall, 7 in. native stone macadam, to J. DeMichael & Bro., 58 High St., Torrington, $16,843. Noted Nov. 23.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, curbing and laying sidewalks on 101st. (Jerome) Ave., etc., to E. Bloch, Woodhaven, $12,990; paving 101st (Jerome) Ave., etc., permanent sheet asphalt on concrete, to Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, $17,805. Noted Nov. 23.

N. J., Cape May—Cape May Co. paving 8,123 sq.yd. Route 14, Sect. 6, to C. H. Earle, 173 Main St., Hackensack, $43,544.

N. J., Mays Landing—Atlantic Co., Guarantee Trust Bldg., Atlantic City, reconstructing Cedar and Landis Aves. from Mays Landing-Downstown Rd. in Richland to line between Atlantic and Cumberland Counties, to C. H. Earle, 173 Main St., Hackensack, $211,980. Noted Oct. 26.

N. J., Newton—Sussex Co., grading 1.87 mi. Fredon-Stillwater Rd., 36,000 cu.yd. rock excav., to Richards & Gaston, 110 South Bridge St., Somerville, $63,665. Noted Nov. 2.

Pennsylvania—State Hy. Dept., Harrisburg, 2,427 ft. Route 77, Beaver Co., to A. Dahl, 425 Wayne Ave., Ellwood City, $56,184; 2,893 ft. Route 77, Sect. 2, Lawrence Co., to Jameson & Narlee, Fredonia, $26,256; 5,812 ft. Application 1975, Lackawanna Co., to M. Rosato & Son Co., 1145 Sloan Ave., Scranton, $40,224. Noted Oct. 26.

N. C., Wilmington—Paving various streets, bitulithic, to P. McGuire, Norfolk, Va., (street address not available) $190,000. Noted Nov. 2.

S. C., Columbia—Richland Co., constructing 11.15 mi. Monticello Highway, to White Contg. Co., Chatham, Va., $56,161. Noted Nov. 9.

Georgia—State Hy. Dept., Atlanta, constructing 13.025 mi. Quitman-Madison Rd., Federal Aid Project 278, Quitman Co., to Smith & Hall, Elberton, $158,736, foregoing item noted in Oct. 19 issue; 8.738 mi. Atlanta-Newman Highway, Federal Aid Project 174, Campbell Co., to Davis Constr. Co., Walton Bldg., Atlanta, $155,199; 2 mi. road from Albany to Lee Co. line, Federal Aid Project 298, Dougherty Co., to Dougherty Co., Albany, $29,231; 5½ mi. road from Blue Ridge to Blairsville, Federal Aid Project 118, Fannin Co., to Dunn & Woodall Walton Bldg., Atlanta, $36,992; 8.09 mi. Moultrie-Tipton Rd., Federal Aid Project 244, Colquitt Co., to Shepherd & Wallace, Atlanta, (street address not available), $55,493; 9 mi. road from Blairsville to Murphy Rd., Federal Aid Project 290, Union Co., to M. H. Gardner, Columbus, $73,802; 8.7 mi. La Fayette-Summerville Highway, Federal Aid Project 263, Walker Co., and 3.44 mi. Cleveland-Blairsville Rd., Federal Aid Project 111, Union Co., to H. B. Hoppendeitzel, Casualty Bldg., Macon, $65,364 and $37,551 respectively.

Florida—State Hy. Dept., Tallahassee, surfacing with bituminous macadam 7.76 mi. road from Vero to Wabasso, Project 36, St. Lucie Co., to Maule Paving Co.; Ojus, $240,221; surfacing with plain concrete 10 mi. road from Pensacola to Roberts, Project 34, Escambia Co., to C. H. Turner Co., Pensacola, $250,808. Noted Nov. 23.

Fla., Clermont—Paving 23 blocks, to J. B. McCrary Constr. Co., 3rd Natl. Bank Bldg., Atlanta, Ga., $103,433.

Fla., Miami—Dade Co., constructing 18 mi. macadam road in 4th Dist., to T. B. McGahey, Miami, $1.85 per cu.yd.

Streets and Roads (Continued)

Louisiana—State Hy. Comm., Reymond Bldg., Baton Rouge, 16.1 mi. Winnsboro-Vidalia Highway, Franklin Parish, to W. H. Harris, Monroe, $91,780; 4.03 mi. Crowley-Kaplan Highway, Acadia Parish, to Howard Kenyon Dredging Co., Dallas, Tex., (street address not available) $25,252; gravel for Crowley-Kaplan Highway, Acadia Parish, to Fluker Gravel Co., Fluker, $11,354. Noted Nov. 2.

Ind., Lagrange—Lagrange Co., to Davidson & Stout, Akron, graveling 8.4 mi. County Unit Rd., 16 ft., $31,457, engrs. est. $35,000; 7 mi. Bontrager Rd., $25,878, engrs. est. $27,500.

Ind., Monticello — White Co., 16,000 ft. Burley Rd., 16 ft., stone, to Sell Bros., Wolcott, $25,780. Engrs. est. $27,500. Noted Oct. 26.

Ind., New Albany — Floyd Co., paving 11,180 ft. Mount Tabor Rd., 16 ft., stone macadam, to Atkins & Staebler, 1936 Ekin Ave., $25,000. Engrs. est. $27,500. Noted Oct. 26.

Ia., Sumner—For 58,000 sq.yd. warrenite bitulithic pavement and 34,000 ft. curb and gutter, to Bryant Asphalt Co., Waterloo, $209,936. Noted Nov. 2.

Kan., Arma—City Council and Comrs. Crawford Co., (Girard) 7 in. concrete pavement on 0.945 mi. Federal Aid Project 120, to Koss Constr. Co., 632-W-Box, Des Moines, Ia., 3,530 cu.yd. excav. $0.70 per cu.yd., 11,532 sq.yd. 7 in. concrete $2.59 per sq.yd., 9,806 lin.ft. curb and gutter $0.75, total $41,615; city portion 2,913.64 sq.yd. concrete pavement $2.54 per sq.yd., 566 cu.yd. excav. $0.70, etc., total $8,841. Noted Nov. 16.

Mo., St. Charles—St. Charles Co. regrading and repairing 12 mi. Marthasville Rd. from Booneslick Rd. to Callaway Twp. line, 16 ft. $35,000. Work will be done by force account under supervision of J. Jacoby, co. engr.

N. D., Carrington—Foster Co., grading 15 mi. highway between here and Melville, to North Dakota Constr. Co., Linton, $34,000.

Tex., Dallas—Paving, curbing and guttering Haskell St. from State to Cole Sts., bitulithic on concrete, to Central Bitulithic Co., Praetorian Bldg., $46,665. Noted Nov. 9.

Tex., Dallas—Paving, curbing and guttering 10th St. from Rosemont to city limits, Uvalde asphalt on concrete, to Uvalde Paving Co., Insurance Bldg., $50,406. Noted Nov. 9.

Tex., Ft. Worth—To Genl. Constr. Co., Cotton Exch. Bldg., paving 4,620 sq.yd. Ashland St., Arlington Heights, incl. 3,100 ft. curb and gutter, 9,700 sq.yd. West 21st St. from Clinton to Pearl Sts., incl. 5,400 ft. curb and gutter, 2,700 sq.yd. Hattie St. from Main to Jennings Sts., all foregoing 1 in. Uvalde rock asphalt $1, curb and gutter $1.10, 2,400 sq.yd. West 6th St. from Burnett to Throckmorton Sts., 2 in. Uvalde on 5 in. concrete base $3, 1,200 ft. curb and gutter $1.10, 5,000 sq.yd. Rio Grande St. 2 in. Uvalde top $3.10 or 1½ in. top $2.80; to West Texas Constr. Co., Cotton Exch. Bldg., bitulithic paving 1,675 sq.yd. Denver St. from 15th to 16th Sts., incl. 1,160 ft. curb and gutter, 37,420 sq.yd. Forest Park Blvd., incl. 17,940 ft. curb and gutter, 1,675 sq.yd. Clinton St. from Central to 12th Sts., 1,475 sq.yd. La Gonda St. from 14th to 15th Sts., 6,865 sq.yd. Macon St. from 5th to North Sts., all foregoing $3.18, and $1.10 for curb and gutter; to J. F. Wills, 115 Bryan St., 1,825 sq.yd. 3 in. vertcal fibre brck South Adams St. from Lowden to College Sts., $3, 230 ft. curb and gutter $1.10.

Tex., Pearsall—Frio Co. grading, gravel surfacing and 1½ in. cold rolled bituminous topping on 17.81 mi. Meridian Highway between here and La Salle Co. line 18 ft., to Uvalde Rock Asphalt Co., City Natl. Bank Bldg., San Antonio, $238,883; 17.2 mi. Meridian Highway from here north to Meridian Co. line, to Smith Bros., Crockett, $207,310. Noted Nov. 23.

Tex., Uvalde—Uvalde Co. grading and gravel surfacing 14 mi. Uvalde-Leakey Rd., 16 ft., 13,409 cu.yd. roadway and 6,650 cu. yd. borrow excav., 208 cu.yd. concrete, 4,496 lb. reinforcing, 31,003 cu.yd. gravel surfacing, to P. M. Skinner, Box 459, Marlin, $35,064. Engrs. est. $38,500 incl. 10% for engineering and contingencies.

Colorado—State Hy. Dept., Denver, improving 1.003 mi. road extending east on Union Pacific Highway from Aurora City limits, Federal Aid Project 225, Adams and Arapahoe Counties, national pavement, to Miller, Douglas & Haines, 100 South York St., Denver, $34,790; gravel surfacing 5.256 mi. Spanish Trail, Federal Aid Project 213B, La Plata and Montezuma Counties, 18 ft., to J. E. Hanson, Delta, engrs. est. $69,747. Noted Oct. 12.

Idaho—W. Osborn, dist. engr. State Hy. Dept., Lewiston, gravel surfacing 22 mi. between Genesee and Moscow, on North and South Highway, Federal Aid Project 18, Latah and Nez Perce Counties. 23,080 cu.yd. gravel, to Campbell & Barr, Colfax, Wash., $50,314. Noted Nov. 9.

Idaho—State Hy. Comn., Boise, grading and gravel surfacing 10.25 mi. Idaho-Pacific Highway, Federal Aid Project 65, from Georgetown to Caribou Bear Lake Co. Line, 77,000 cu.yd. excav., 21,000 cu.yd. gravel, 2,000 ft. 18-36 in. galvanized iron pipe, etc., to Taylor-Childs Constr. Co., 2420 Hudson Ave., Ogden, Utah. $74,028. Noted Nov. 9.

Utah—State Rd. Comn., Salt Lake City, grading and gravel surfacing 7.459 mi. Heber-Hailstone Rd., 18 ft., Wasatch Co., to Gilkerson Constr. Co., 217 Ness Bldg., Salt Lake City, $56,777. Noted Nov. 16.

Utah—State Hy. Dept., Salt Lake City, grading and surfacing 7.798 mi. road from Morgan to Peterson, 18 ft., 41, Morgan Co., to Western Eng. & Contg. Co., Templeton Bldg., Salt Lake City. 61,530 cu. yd. common excav. at $0.37, 240 cu. yd. solid rock excav. $2, 2,015 cu. yd. borrow $0.32, 12,050 sta. yd. overhaul $0.03, 15,115 cu. yd. gravel surface, loading, $0.58, 15,640 yd. mi. gravel surface, hauling, $0.38, 7.8 mi. gravel surface, placing, $500, 7,300 lb. reinforcing $0.02, 248 cu. yd. concrete $16.50, etc, total $49,434. Noted Oct. 26.

Wash., Seattle—Paving and trestle work on Railroad Ave., to Hauge & Espaland, 1813 North 50th St., $96,185. Noted Nov. 30.

Oregon—State Hy. Comn., Salem, crushed rock and gravel surfacing 12.1 mi. John Day Highway, Unit 2, Wheeler Co., to Metzger & Johnston, Roseburg, 45 cu.yd. Class A concrete, $30, 9,450 cu.yd. crushed gravel top, $1.85, 10,450 cu.yd. for base, $1.67, 600 cu.yd. for maintenance $1.75, etc., total $38,334.

Oregon — State Hy. Dept., Salem, and Portland Ry., Light & Power Co., Electric Bldg., Portland, grading 0.94 mi. Pacific Highway on perpendicular cliff, above car tracks and Willimette River, in Oregon City, Clackamas Co., to Rajotte & Winters, Inc., Realty Bldg., Spokane, Wash., $98,610.

Calif., Santa Rosa—Supervs. Sonoma Co. will improve 3.05 mi. Petaluma-Somona Highway, Sect. B; 13.35 mi. Guerneville-Jenner Highway; 1.79 mi. road from Sonoma to State Highway Rd.; 1.04 mi. Dry Creek Rd.; 0.58 mi. Geyserville-Kimtown Rd., Sect. A, between State Highway and Russian River, work will be done by day labor. Formerly bids rejected. E. A. Peugh, co. surv. Noted Oct. 26.

Industrial Works

PROPOSED WORK

N. Y., Alden—Erie Co., City Hall, Buffalo, having preliminary sketches made by W. A. Kidd, archt., 524 Franklin St., Buffalo, 1 story, 75 x 100 ft., rein.-con., brick and steel power house and refrigerating plant, here. To exceed $40,000. Noted June 1.

N. Y., Buffalo — Great Lakes Transit Corp., 223 Erie St., plans large brick storage building and warehouse, Erie St. $64,000.

N. Y., Jamestown—Clarke Baking Co., 809 North Main St., plans rebuilding major portion of bakery, Richmond Pl., recently destroyed by fire. $50,000. Architect not announced.

N. Y., New York—Dept. Parks, Municipal Bldg., having plans prepared 4 story service building, brick, steel and concrete, plain foundation, 77th St. and Columbus Ave. $500,000. Private plans.

N. Y., New York—Dept. Plants & Structures, Municipal Bldg., soon takes bids 2 story, 85 x 115 ft., brick, steel and concrete housing station, plain foundation, Horatio St. $100,000. Private plans. G. A. Whalen, comr. Noted June 22.

N. Y., White Plains—Dentermann & Son Ice Co., plans 1 story, 50 x 120 ft., addition to plant. $65,000. L. Block, 501 5th Ave., New York, engr.

Pa., Juniata — Pennsylvania R.R., Broad St. Sta., Phila. having plans prepared 45 x 150 ft. power house, here. A. C. Shand, ch. engr.

Pa., Lewistown—Amer. Refractories Co., Union Ave., Pittsburgh, purchased 68 acre site adjoining Pennsylvania R.R. tracks east of Lewistown Jct., and plans to build plant in spring.

Pa., Phila.—Franklin Sugar Co., 1045 North Delaware Ave., soon takes bids 1 and 2 story rein.-con. and brick shop, Delaware Ave. $50,000. Private plans.

Pa., Phila.—Ketterlinus Lithographic Mfg. Co., 4th and Arch Sts., will take new bids Jan. 1, for 8 story and basement, 50 x 140 ft. plant, 4th and Arch Sts. Former bids rejected. Ballinger Co., 12th and Chestnut Sts., archts. Noted Nov. 16.

Pa., Phila.—F. Nardy, 3840 Spring Garden St., soon takes bids 2 story and basement, 100 x 138 ft., brick and steel garage, plain foundation, 18th and Jackson Sts. $80,000. R. A. Schuman, 202 West State St., Trenton, N. J., archt.

Pa., Warren—Warren Garage Co., plans to remodel and build 2 story addition to garage.

Pa., Watsontown—Watsontown Door & Sash Co. plans generating plant in connection with factory. Cost to exceed $50,000.

Va., Richmond—The Corley Piano Co., 213 East Broad St., plans to rebuild plant recently destroyed by fire. $100,000. Total loss $235,000.

N. C., Cramerton—Mays Mills, Inc., plans weave mill addition. $1,000,000. S. W. Cramer, pres.

N. C., Gastonia—H. H. Groves soon lets contract constructing cotton mill, capacity 15,000 spindles.

N. C., Raleigh—Carolina Power & Light Co., Raleigh, (street address not available), plans additions to various plants, substations, transmission lines, steam plants, equipment, etc. $6,000,000. P. A. Tillery, Capitol Apartments vice-pres. and genl. mgr.

Tenn., Nashville—Phillips & Buttorf Mfg. Co., 3rd Ave. N., soon takes bids 1 story, 175 x 300 ft. brick, warehouse. $40,000. Marr & Holman, Stahlman Bldg., archts.

Tenn., Nashville—See "Miscellaneous."

Ky., Louisville—Gibbs-Inman, 825 West Bway., having plans prepared by A. Loomis, archt., 51 Todd Bldg., and takes bids in spring, 3 story and basement, 100 x 220 ft., rein.-con., brick, and terra cotta, 9th St. and Bway. $100,000.

O., Alliance—Machined Steel Castings Co., South Mahoning Ave., plans 1 story, 75 x 200 ft. factory. $100,000.

O., Cleveland—G. W. Deming, 3154 Redwood Ave., and O. G. Deming, 1269 Carlyon Rd., Cleveland Heights, having plans prepared by H. P. Whitworth, archt., 526 Hickox Bldg., 1 story, 40 x 54 ft. and 40 x 73 ft. garage and commercial building, Euclid Ave. and Chardon Rd. $40,000.

O., Cleveland—Union Terminal Bus Line Co., c/o Miller & James, archts., Erie Bldg., having plans prepared 2 story, 72 x 180 ft., brick, steel and concrete garage and service station, East 9th St. near Central Ave. $60,000.

O., Cleveland—H. E. Roth, 1604 East 117th St., had plans prepared by Christian, Schwarzenberg & Gaede, archts., 1900 Euclid Ave., 1 story and basement, 50 x 100 ft. and 30 x 40 ft., brick and concrete, factory, garage and office building, West 65th St. near Storer Ave. $50,000.

O., Columbus—Federal Ice & Refrigeration Co. had plans prepared by C. C. Coneby, archt. and engr., Cadillac Bldg., Cleveland, 1½ story, 55 ft. high, 40 x 155 ft., brick and steel plant, 20th St. $150,000.

O., Springfield — Fairbanks Piano Plate Co., Kenton St., plans rebuilding portion of factory, recently destroyed by fire. $40,000.

O., Wadsworth—Ohio Match Co, having plans prepared by Christian, Schwarzenberg & Gaede, archts., 1900 Euclid Ave., Cleveland, 3 story, 120 x 200 ft., brick, steel and concrete factory. $150,000.

O., Wadsworth—Ohio Injector Co., c/o E. J. Young, pres., having plans prepared by Christian, Schwarzenberg & Gaede, archts., 1900 Euclid Ave., Cleveland, 3 story, 60 x 250 ft. factory addition, brick and reinforced flat slab concrete. $150,000.

Mich., Petoskey — Petoskey Portland Cement Co., having preliminary plans prepared by J. C. Buckbee Co., consult. engrs.,

Industrial Works (Continued)

38 South Dearborn St., Chicago, extending stock house, power plant and factory. $500,000. This corrects reports in Nov. 23 issue.

Ill., Chicago—Ford Motor Co., Highland Park (Detroit P. O.) Mich., had plans prepared by A. Kahn, archt., 1000 Marquette Bldg., Detroit, Mich., 1 story, 14 ft. high, 502 x 1,363 ft., assembly plant, with 100 x 100 ft. detached power house, brick, steel and rein.-con., plain foundation, Torrance Ave. and Calumet River, here.

Ill., Chicago—Peoples Gas Light & Coke Co., 122 South Michigan Ave., plans 2, 3 and 4 story repair shop, rein.-con., brick and steel, Homan and Division Sts. $300,000. H. Van Holst, 112 West Adams St., archt.

Ill., Taylorville—Hopper Paper Co. had plans prepared by Billingham & Cobb, archts., Kalamazoo, Mich., 2 story, 80 x 160 ft. factory addition, rein.-con., brick and steel. $60,000.

Wis., Eau Claire—K. N. Knudson, 307 North Farwell St., making plans 1 story and basement, 55 x 94 ft., brick and concrete garage, plain foundation, Farwell St. $40,000. Private plans.

Wis., Eau Claire—Paige-Ford Motor Car Co., Wisconsin and North Farwell Sts., making plans 2 story and basement, 58 x 90 ft., brick and concrete garage, plain foundation. $45,000. Private plans.

Wis., Madison—Heilprin & Co., c/o J. Heilprin, pres., West Mifflin St. having plans prepared by E. A. Tough, archt., Conklin Bldg., 2 story, 75 x 150 ft., cold storage warehouse, rein.-con., brick and steel, plain foundation, Bedford St. $90,000. Noted Nov. 16.

Wis., Madison—Madison Supply Co., 615 East Washington Ave., having plans prepared by R. A. Phillips, archt., 315 Beaver Bldg., 2 story, 50 x 60 ft., bottling works and warehouse, brick and rein.-con., plain foundation. $40,000.

Minn., Minneapolis—J. Leslie Paper Co., 3rd Ave. S and 5th St., having plans prepared by Bertrand & Chamberlain, archts., 616 Northwestern Bank Bldg., 1 or 2 story and basement, 100 x 150 ft. warehouse, rein.-con., brick and tile, 7th Ave. N. between 3rd and 4th Sts. $70,000 (if only 1 story).

Minn., Northfield—St. Olafs College having plans prepared by Collidge & Rogdon, archts., Corn Exchange Bldg., Chicago, 1 story power house, brick and concrete, at college. $50,000. P. O. Hann, business mgr. J. D. Small, 127 North Dearborn St., Chicago, engr.

Minn., Red Wing—Red Wing Sewer Pipe Co. having plans prepared by A. F. Gauger, archt., 302 Central Bank Bldg., St. Paul, 3 story, 75 x 275 ft. dry house, brick and concrete, to replace one destroyed by fire. $85,000.

Mo., St. Louis—Feb. 9, to vote on $1,000,000 bonds (Proposition 11) constructing and equipping municipal power and service building incl. machine shop, garage and laundry. W. W. Horner, 306 City Hall, engr.

Mo., St. Louis—Grace Sign & Mfg. Co., 425 South Main St., soon lets contract 1 story, 150 x 260 ft., rein.-con. factory, plain foundation, 2nd and President Sts. $100,000. Architect and engineer not selected.

Calif., Emeryville—Westinghouse Electric & Mfg. Co., 1st Natl. Bank Bldg., San Francisco, having plans prepared by their Eng. Dept., Union Bldg., Pittsburgh, Pa., group of buildings for manufacturing plant, on 12½ acre site, here. $1,000,000.

Calif., Fresno — Trewhitt-Shields Co., (owners, engineers and contractors), preparing plans 1 story, 130 x 150 ft., concrete and brick warehouse J and Los Angeles Sts. Work will probably be done by day labor.

Calif., Hayward—E. L. Macabee, mgr. Hunt Bros. Packing Co., Lower B St., and chn. of Cold Storage Plant Com. of Hayward Chamber of Commerce, backs movement to finance construction of cold storage plant. Plant will be constructed either by formation of local stock company or by corporation already established in Hayward. $100,000.

Calif., Sacramento — Sacramento Pipe Wks., R St. near 7th St., plans 2 buildings, each 148 x 230 ft., 16th and B Sts.

Ont., Bridgeburg—Natl. Brake Co., Ellicott Bldg., Buffalo, N. Y., plans plant here.

Ont., Collingwood—Canadian Postel Lock Nut Bolt Co., plans to build new factory in spring. $50,000. F. A. Bassett, mgr.

Ont., Mount Dennis—Electroplax Mfg. Co. plans concrete, brick and steel plant to replace one recently destroyed by fire. $100,000. Architect not selected.

Ont., Wiarton—G. Golden, Berford St., plans new garage and repair shop. $45,000.

BIDS DESIRED

N. Y., Sheepshead Bay (Brooklyn, P. O.)—Superior Ice Co., 50 East 42nd St., New York, brick, steel and rein.-con. plant, plain foundation Ave. Z and East 17th St., here. $250,000. Work will be done by separate contracts, under supervision of W. Mortensen, archt. and engr., 209 West 76th St., New York. Noted Nov. 23.

Pa., Phila.—Amer. Ice Co., 6th and Arch Sts., taking bids 1 story, 125 x 150 ft. rein.-con., brick and steel plant, plain foundation, 17th and Washington Aves. Private plans.

Pa., Phila.—I. W. Levine, archt., Victory Bldg., taking bids 3 story, 45 x 180 ft., rein.-con. and brick warehouse, plain foundation, 5th and South Sts., for P. Miller, 506 South St. $90,000.

Pa., Phila.—C. J. Gilmore, archt., Fuller Bldg., taking bids 1 story and basement, 62 x 155 ft. brick and steel garage, plain foundation, York Rd. and City Line Ave., for W. B. Margerum, York Rd. and Chelten Ave. $60,000.

Pa., Phila.—Smith-Hardican Co., 1606 Cherry St., taking bids 4 story and basement, 65 x 80 ft. rein.-con. and brick garage, plain foundation, 20th and Brandywine Sts. $120,000. Private plans.

Pa., Phila.—C. E. Wunder, archt., 1517 Spruce St., taking bids 5 story and basement, 173 x 200 ft., rein.-con. and brick plant, plain foundation, 34th and Market Sts., for S. Green Co., 15th and Arch Sts. $250,000.

Pa., Pittsburgh—Natl. Biscuit Co., 6400 Penn Ave., taking bids, 1 story, 60 x 120 ft. steel garage, Aurelia Ave. and Kaufman Way. Private plans.

Pa., Waynesburg—H. Cochrane, Dawson, will build 2 story and basement, 90 x 120 ft. rein.-con., brick and steel garage, Greene St., $60,000. Work will be done by separate contracts. H. W. Altman, Fayette Title & Trust Bldg., Uniontown, archt. Noted Nov. 16.

O., Cleveland—Bonar Realty Co., c/o P. F. Price, 307 Ulmer Bldg., taking bids 2 story and basement, 111 x 120 ft., brick and timber garage, commercial building, etc., East 114th St. and St. Clair Ave. $5,000. Allen-Osborn Co., 700 Rose Bldg., archts.

O., East Cleveland (Cleveland P. O.)—See "Buildings."

Wis., Cedarburg—Hansen Canning Machine Co., Port Washington, taking bids 1 story, 112 x 112 ft., brick, rein.-con. and steel factory, plain foundation. $45,000. Private plans.

Wis., Milwaukee—H. J. Esser, archt., 82 Wisconsin St, taking bids 2 story and basement, 85 x 150 ft., brick and concrete dairy, plain foundation, 11th St, for Cedarburg Dairy Co., c/o H. Berns, 1586 Prospect Ave. $75,000.

Wis., Milwaukee—H. C. Hengels, archt., 445 Milwaukee St., taking bids 2 story, 70 x 150 ft. addition to garage, brick and concrete, plain foundation, Grand Ave., for Welch Investment Co., 105 Wells St. $50,000.

Wis., Randon Lake—Krier Preserving Co., Belgium, taking bids 1 and 2 story, 50 x 240 ft., main factory building, warehouse, sheds and power house, brick and timber, plain foundation, here. $100,000. Private plans.

Wis., Wausau — Oppenhamer & Obel, archts., Spencer Bldg., taking bids 3 story and basement, 50 x 180 ft., brick and timber factory, plain foundation, for Marathon Shoe Co., 1st Ave. and Cedar St. $60,000.

Mo., St. Louis—Jan. 2, by Bd. Pub. Serv., 208 City Hall, 2 story, 54 x 225 ft., service building and power plant, rein.-con. and brick, plain foundation, for St. Louis Training School for Feeble-Minded, at Scott Farm. $150,000. L. R. Bowen, 304 City Hall, archt. and engr. Noted Oct. 5.

Idaho, Warren—Unity Gold Mines, Warren, receiving bids 1,000 hp. hydro-electric plant, incl. 10 mi. transmission line, etc. $75,000. Alexander Potter, 50 Church St., New York City, engr.

CONTRACTS AWARDED

Mass., Worcester—Reed & Prince Mfg. Co., Duncan Ave., 2 story, 60 x 400 ft. factory addition, brick and steel, and 1 story, 90 x 120 ft. annealing room, brick, Nixon Ave., to H. R. Kent & Co. 141 Bway., New York City. Archts. est. $150,000.

Conn., Hartford—Hartford Dispatch and Trucking Co., 105 Albany Ave., will build 1 story, 40 x 80 ft. garage and machine shop, by day labor, under supervision. Smith & Annable, Inc., archts., 445 State St., Springfield, Mass.

N. Y., Auburn—Lockwood, Greene & Co., archts. and engrs., 101 Park Ave., New York, new weave shed, machine shop and extensions to dyehouse and power plant, rein.-con., brick and steel, plain foundations, here to J. J. O'Leary, Lodi Rd., Passiac, N. J., for Firth Carpet Co., 62 South Division St. Archts. est. $150,000. Noted Nov. 16.

N. Y., Brooklyn—J. J. Aaron, c/o A. Goldberg, archt. and engr., 164 Montague St., 1 story, 100 x 150 ft., brick steel and concrete garage, plain foundation, Montgomery St., by day labor. $75,000.

N. Y., Buffalo—Citizens Safe Deposit Co., 5 story, 26 x 115 ft., fur storage plant, rein.-con., 565 William St., to Turner Constr. Co., 11 Goodell St.

N. Y., Buffalo—Swan Garage Co., Inc., 48 East Swan St., 3 story and part basement, 90 x 115 ft., brick and steel garage, to Turner Constr. Co., 11 Goodell St. Noted Nov. 16.

N. Y., Buffalo—Kittinger Bros., 1893 Elmwood Ave., 3 story, 80 x 112 ft., brick addition to furniture factory, to Harding & Crea, White Bldg. Archts. est. $40,000. Noted Nov. 30.

N. Y., Buffalo—Great Lakes Transit Corp., Marine Trust Bldg., brick storage building, Erie St., to Eastern Concrete Steel Co., 403 Morgan Bldg. Archts. est. $64,000.

N. Y., New York—C. D. Greenbaum, c/o Maximilian Zipkes, archt. and engr., 432 4th Ave., 2 story and basement, brick, steel and concrete warehouse, plain foundation, 180th St. and Amsterdam Ave., by day labor. $50,000.

N. Y., Vischer Ferry—C. L. Cadle, Supt. Pub. Wks., Albany, power house at Vischer Ferry dam, Saratoga Co., here, Contr. 12-3, to Amer. Pipe & Constr. Co., 112 North Broad St., Phila., $289,870. Noted Oct. 12.

Pa., Aspinwall—Humes Bros., Brilliant St., 1 story, concrete, brick and steel addition to garage, Brilliant St., to W. M. May, Eastern Ave. Archts. est. $40,000.

Pa., Bridgeport—James Lees & Sons Co., 5 story and basement, 43 x 64 ft. rein.-con., brick and steel mill, plain foundation, to Bowen Constr. Co., 1935 Chestnut St., Phila.

Pa., Freedom — Freedom Oil Wks., 2 2 story, 48 x 75 ft. rein.-con. addition to garage, to R. B. McDanel Co., New Brighton. Archts. est. $40,000. Noted Aug. 26.

Pa., Johnstown—E. Hahn Packing Co., Hickory St., 3 story and basement, 48 x 108 ft. and 24 x 112 ft. concrete and brick addition to plant, Hickory St., to W. H. Smith & Son, Johnstown.

Pa., Phila.—Bennett & Aspden Co., 3 story, rein.-con. and brick addition to mill, plain foundation, Krams and Pechin Sts., to W. Steele & Sons, 16th and Arch Sts. $80,000.

Pa., Phila.—Bush & Diamond, Jasper and Thayer Sts., 2 story and basement, rein.-con. and brick mill, plain foundation, Ontario and Jasper Sts., to Austin Co., Bulletin Bldg., $50,000.

Pa., Phila.—Phila. Inquirer, 1109 Market St., 6 story and basement, 163 x 397 ft., rein.-con. and brick storage plant, plain foundation, 15th and Callowhill Sts., to Roydhouse-Arey Co., 112 North Broad St. Archts. est. $500,000.

Pa., Pittsburgh—Fairmount Creamery Co., 301 Ferry St., 5 story and basement, 62 x 72 ft. warehouse and 1 story and basement, 38 x 72 ft. garage, 25th and Smallman Sts., to W. T. Grange Constr. Co., Keenan Bldg. Archts. est. $150,000. Noted Sept. 14.

Pa., Pittsburgh—Studebaker Sales Co., Baum Blvd., 2 story and basement, 87 x 112 ft. addition to garage and sales room, 4724 Baum Blvd., to Conley & DeMey, 127 North Highland Ave. Archts. est. $65,000. Noted Nov. 16.

Industrial Works (Continued)

D. C., Wash.—J. McReynolds c/o Studebaker Automobile Co., 819 14th St., N. W., showroom and service station at 14th and R Sts., to H. Wardman, 1430 K St., N. W. Archts. est. $150,000. Noted Sept. 28.

D. C., Wash.—C. H. Tompkins, 1612 Park Rd., N. W., will build garage by day labor. $250,000. Private plans.

O., Akron—Ohio Pump & Machine Co., 2nd Natl. Bldg., 1 and 2 story, 80 x 260 ft., steel plant, plain foundation, to Clemmer & Johnson, 406 Metropolitan Bldg., $50,000.

O., Cleveland—Grabler Mfg. Co., 6565 Bway., 1 story, 50 x 80 ft. annealing house and 3 story, 80 x 80 ft. factory, brick and steel, to A. A. Lane Constr. Co., 1869 East 55th St. Archts. est. $50,000. Noted Nov. 23.

Ill., Chicago—Douglas Bottling Co., 3523 Ogden Ave., 1 and 2 story, 23 x 75 ft. and 75 x 145 ft. factory, rein.-con., brick and steel, Ogden Ave. near South Ridgeway Ave., to B. Boches, 1608 South Central Park Ave. Archts. est. $40,000.

Ill., Chicago—The Fair Department Store, State and Adams Sts., 1 story, 157 x 313 ft., rein.-con., brick and steel garage, 2454-2520 Lawrence Ave., to H. D. Moreland Co., 3701 Sheffield St. Archts. est. $185,000. Noted June 8.

Ill., Chicago—D. P. Farrell, c/o M. O. Nathan, archt., 123 West Madison St., 1 story, 100 x 200 ft. factory, rein.-con., brick and steel, 4411-29 West Lake St., to Nelso-Wagstad-Carlson Co., 1743 North Crawford Ave. Archts. est. $40,000.

Wis., Milwaukee—Excel Mfg. Co., 3402 South Pierce St., 2 story, 60 x 180 ft. addition to factory, brick and timber, plain foundation, to Lupinski & Wolff, 82 Wisconsin St. Archts. est. $45,000.

Wis., Milwaukee — Eslien Sheet Metal Wks., 1001 30th St., will build 2 story, 35 x 42 x 135 ft., brick and steel warehouse, plain foundation, Pemberton St., by day labor. $42,000. Private plans.

Wis., Milwaukee—Harsh & Chapline Shoe Co., 694 Hanover St., 3 story and basement, 60 x 210 ft., brick and concrete factory, plain foundation, to W. W. Oeflein, Inc., 86 Michigan St. Archts. est. $110,000

Wis., Neenah—Kimberly-Clark Co., 2 story, 65 x 120 ft. paper mill, brick and timber, plain foundation, to C. R. Meyer & Sons Co., 50 State St., Oshkosh. $65,-000. Private plans.

Wis., Plover—Whiting-Plover Paper Co., Stevens Point, 3 story, 40 x 108 ft., paper factory unit incl. heater room, brick, rein.-con. and steel, plain foundation, to C. R. Meyer & Sons Co., 50 State St., Oshkosh. Archts. est. $50,000.

Wis., Wausau — Hall Garage Co., 107 Scott St., 2 story, 50 x 60 ft., garage and repair shop, brick and rein.-con., plain foundation, to J. Larson, 627 Weile Ave. Archts. est. $40,000.

Wis., Waukesha—Spring City Auto Co., 220 West Main St., 1 story, 65 x 190 ft., garage and repair shop, brick, rein.-con. and steel, plain foundation, to Federal Bridge & Structure Co., Lincoln Ave. Archts. est. $40,000. Noted Nov. 23.

Wis., Wisconsin Rapids—Amer. Carbonic Mchry. Co. will build 2 story, 50 x 150 ft., brick, rein.-con. and steel factory, by day labor. $75,000. Private plans.

Minn., Hopkins — Hennepin Co. Sanatorium Comn., general contract 1 story and part basement, 12 and 32 ft. high, 45 x 108 ft., power house, brick, concrete and rein.-con., Glen Lake near here, to Pehrson Bros., 555 Temple Court, Minneapolis, $229,500. Noted Nov. 16.

Minn., Minneapolis—Bryant Investment Co., 1015 Plymouth Bldg., 2 story and basement, 42 x 92 x 125 ft. garage and service station, rein.-con., brick and tile, 3032 Hennepin Ave., to Mapes, Ahrns & Erstgaard, 600 Andrus Bldg., $105,000.

Kan., Wichita—J. Dold Packing Co., 21st St. and Lawrence Ave., refrigeration plant, to Carbondale Refrigeration Co., Carbondale, Pa. Engrs. est. $100,000.

Mo., Columbia—Boone Co. Milling Co., general contract rein.-con. and steel elevator and warehouse, 60,000 bu. capacity, to Monolith Builders, Inc., 509 Mutual Bldg., Kansas City, $50,000.

Mo., Kansas City—Hall Bros. Co., 5 story and basement, 100 x 115 ft., rein.-con., brick and terra cotta plant, 26th and Walnut Sts., to Frank Hill Smith, Inc., Winters Bldg., Dayton, O., $1,250,000.

Mo., St. Louis—Broderick & Bascom Rope Co., 805 North Main St., to Gamble Constr. Co., 620 Chestnut St., 2 story, 81 x 496 ft. warehouse, 4233-35 North Union Blvd., $67,200, 1 story, 143 x 496 ft. factory, 4239-51 North Union Blvd., $116,950 and 25 x 50 ft. building, $4,200, all rein.-con. and brick, plain foundations.

Mo., St. Louis—J. Cusamano, 910 Carleton Bldg., 1 story, 127 x 192 ft., concrete and brick garage, 1428-39 North 10th St., to C. N. Lund, Sawyer Bldg., $40,000.

Calif., Benicia—G. W. Hume Co., 311 California St., San Francisco, 1 story, 60 x 160 ft., frame and galvanized warehouse, pile foundation, here, to J. Pattison, 925 The Alameda, Berkeley.

Calif., San Francisco—F. W. Hess, 1342 Mission St., constructing 6 story, 87 x 137 ft., commercial depository and store building, concrete, Turk St. near Jones St., to J. H. Hjul, 1342 Mission St., $150,000.

Calif., Stockton—Natl. Paper Products Co., Church St. between McDougall and Stockton Sts., rein.-con. and brick factory additions, Church St., to Davis-Heller-Pearce Co., Delta Bldg.; cost between $100,000 and $150,000.

Ont., Toronto—Lawrason & Doughty, 42 Church St., 4 story and basement, 80 x 100 ft. concrete, brick and steel factory, to H. Walker, 230 Langley Ave., $150,000.

Ont., Windsor—See "Buildings."

Buildings

PROPOSED WORK

Mass., Norwood—Church—First Congregational Church of Norwood having plans prepared by J. Williams Beale Sons, archts., 62 Summer St., Chicago, for church. $125,-000-$225,000, according to design selected.

Mass., Springfield—High School—School Bd. having plans prepared by E. C. and G. C. Gardner, archts., 33 Lyman St., 3 story, brick, Elliot St. $800,000.

R. I., Providence — High School — Public Building Dept. plans 2 story and basement wing, brick, Spring St. $200,000. Public Buildings Dept., City Hall, archts.

Conn., Middletown — School — Bd. Educ. plans 2 story and basement, brick and steel, Hotchkiss St. $150,000. Architect not selected.

N. Y., Brooklyn—Bank—East New York Savings Bank, Atlantic Ave., soon takes bids 2 story, brick, steel and stone, plain foundation, Atlantic and Pennsylvania Aves. $500,000. Holmes & Winslow, 134 East 44th St., New York, archts. and engrs

N. Y., Brooklyn—Exchange—McKenzie, Voorhies & Gmelin, archts. and engrs., 342 Madison Ave., New York, soon let contract brick, steel and stone, plain foundation, 7701 3rd Ave., here, for New York Telephone Co., 15 Dey St., New York. $425,000. Noted Sept. 28.

N. Y., Brooklyn—High School—Bd. Educ. 500 Park Ave., New York, plans addition to Erasmus Hall High School, brick, steel and stone, plain foundation, Flatbush Ave., here, $750,000. C. B. J. Snyder, Flatbush Ave. extension and Concord St., archt. and engr.

N. Y., Buffalo—Cathedral—Buffalo Consistory A.A.S.R., 168 Delaware Ave., plans cathedral with 60 ft. proscenium arch, 1180 Delaware Ave. $500,000.

N. Y., Endicott—School—Voted $235,000 bonds and having plans prepared by A. T. Lacey, archt., Press Bldg., Binghamton, for school.

N. Y. Geneva—Theatre—N. A. Tallman, Titusville, Pa., plans brick and steel on opera house site here. $150,000. Architect not announced.

N. Y., Jamaica—Hospital—Mary Immaculate Hospital having plans prepared by W. J. Boegel, archt. and engr., 162 East 37th St., New York, 6 story and basement brick, steel and stone, plain foundation, Shelton Ave. $1,000,000.

N. Y. Jamestown—Office and Store—A. A. Rogers, Jamestown, (street address not available), plans 5 story brick and steel office and store building, Main St., to replace one recently destroyed by fire. Architect not announced.

N. Y. New York—Apartment—Springsteen & Goldhammer, archts. and engrs., 31 Union Sq., preparing plans 6 story, brick, steel and stone, plain foundation, Grand Ave. and 181st St. $400,000. Owner's name withheld.

N. Y., New York—Bank and Office—Chatham & Phoenix Bank, 149 Bway., having plans prepared by C. L. Calhoun, archt. and engr., 16 East 33rd St., 4 story, brick, steel and stone, plain foundation, Bowery and Grand St. $300,000.

N. Y., New York—Loft—Feder Bros., Inc., c/o G. H. McCabe, archt. and engr., 96 5th Ave., soon takes bids 6 story, 40 x 90 ft., brick, steel and stone, plain foundation, 230 West 38th St. $500,000.

N. Y., New York—School—Bd. Educ., 500 Park Ave., had plans prepared by C. B. J. Snyder, archt., and engr. Flatbush Ave., extension and Concord St., Brooklyn, 4-story, 35 x 175 ft., brick, steel and stone addition to P. S. 12, Frisby Ave., $350,000.

N. Y., New York—School—Bd. Educ., 500 Park Ave., having preliminary plans prepared by C. B. J. Snyder, archt. and engr., Flatbush Ave. extension and Concord St., Brooklyn, 5 story, brick, steel and stone, plain foundation, Weeks Ave. $1,250,000.

N. Y., New York—Schools—Bd. Educ., 500 Park Ave., soon takes bids P. S. 11, 5 story, 20th St., between 8th and 9th Aves., $1,000,000; George Washington High School, 4 story 300 x 300 ft., 183rd St. and Amsterdam Ave. $1,750,000, both brick, steel and stone, plain foundations. C. B. J. Snyder, Flatbush Ave., extension and Concord St., Brooklyn, archt. and engr.

N. Y., Niagara Falls—Bank and Office—Niagara Falls Trust Co., 45 Falls St., soon takes bids on either low building as bank structure or tall building as bank and office building, 3 story or higher, 45 x 100 ft., brick, steel and stone, Falls and 1st Sts., Cost to exceed $150,000. Architect not selected.

N. Y. Rochester—Hospital—City and University of Rochester, University Ave., plan brick hospital. $500,000. Architect not announced. C. A. Poole, city engr.

N. Y., Theills—Assembly Hall, etc.—M. B. Patterson, pres. Bd. Mgrs. Letchworth Village, 7 Wall St., New York, rejected bids opened Nov. 14, for attendants home, assembly hall and industrial building, at Letchworth Village, here. Noted Oct. 26.

N. J., Camden—Y. W. C. A., c/o A. Parkhurst, Bway. and Stevens St., takes bids about Dec. 15, 4 story, cut stone and brick, plain foundation, Bway. and Stevens St. $300,000. Lockey & Hettle, 5 Hudson St., archts. Noted June 22.

N. J., Gloucester City—School—Bd. Educ. soon takes bids 2 story and basement, 175 x 325 ft., brick and steel, plain foundation, Cumberland and Ridgeway Aves. $350,000. Lackey & Hettle, 5 Hudson St., Camden, archts.

N. J., Haddon Heights—High School—Bd. Educ. having plans prepared by C. R. Beddell, archt., 136 South 4th St., Phila., 154 x 237 ft., rein.-con. and limestone, 1st, 2nd, Garden and High Sts. $350,000.

N. J., Princeton—Hotel—Princeton Inn Co., c/o A. J. Thomas, archt. and engr., 15 East 47th St., New York, having preliminary plans prepared, brick, steel and stone, plain foundation, Alexander St. $350,000. Noted Aug. 31.

N. J., Trenton—High School—Bd. Educ. plans Central High School, incl. group of buildings, Greenwood Ave. $1,000,000. Plans for 1st unit, costing $300,000 to be drawn soon. E. Sibley, Edgewood Lane, Palisade, archt.

N. J., Trenton—School—Bd. Educ. having plans prepared by E. Sibley, archt., Edgewood Lane, Palisade, and soon takes bids school on Dayton St. $1,000,000. W. A. Klemann, 1st Natl. Bldg., engr.

N. J. Woodbury—High School—Bd. Educ. plans 4 story and basement, stone and brick. $300,000. Architect not selected.

Pa., Phila.—Bank—Mutual Trust Co., 5th and Market Sts., soon takes bids 3 story and basement, limestone and granite, 4th and Market Sts. $250,000. Heacock & Hoakenson, 1218 Chestnut St., archts.

Pa., Phila.—College—Phila. College of Pharmacy, 145 North 10th St., plans 3 and 4 story, educational, administration and research buildings, cut stone and limestone, 43rd and Woodland Aves. $1,000,000.

Pa., Phila.—Laboratory—Franklin Institute, 15 South 7th St., takes new bids first of year, 4 story and basement, 57 x 110 ft. rein.-con., brick and stone, plain foundation, 19th and Cherry Sts. Former bids re-

Buildings (Continued)

jected. J. T. Windrim, Commonwealth Bldg., archt. Noted Oct. 26.

Pa., Phila.—Schools—Bd. Educ., 19th and Chestnut Sts., plans to expend $15,000,000 during 1923 for building new schools and improving old ones. Private plans.

Pa., Upper Darby (Phila. P. O.)—School—St. Alices Roman Catholic Church, plans 3 story and basement, brick, steel and stone, plain foundation, Copley Rd. and Walnut St. $150,000. P. F. Gertz, 1634 North 6th St., Phila., archt.

Pa., Williamsport—Church—West 4th St. Methodist Church, c/o W. W. School, 1416 West 4th St., having plans prepared by G. Savage, archt., Witherspoon Bldg., Phila., 1 story and basement, brick, steel and stone, plain foundation, 4th and Cemetery Sts. $150,000.

D. C., Wash. — High School — Dist. Comrs., 509 Dist. Bldg., rejected bids opened Nov. 22, for McFarland and Langley Junior High Schools. Plans are being revised and work will be readvertised. $250,000 each. Noted Nov. 30.

W. Va., Charleston—Hotel—Cass Gilbert, archt., 244 Madison Ave., New York City, preparing plans 14 story, 410 room, Capitol Sq., here. $2,000,000. Owner's name withheld.

Fla., Eustis—Hotel—L. N. Wiggins, c/o Hotel Rochester, Rochester, N. Y., plans to rebuild hotel, here, recently destroyed by fire. $200,000.

Ala., Birmingham — Church — Methodist Episcopal Church South conference of northern Alabama, voted $50,000 toward erection of church at Birmingham Southern College, 8th Ave. College is to furnish $50,000 and an additional $50,000 to be raised by private subscription. Address G. E. Snavely, pres. Birmingham Southern College.

Tenn., Memphis — High School, etc. — School Bd. making plans high school adjoining Guthrie School at Ayres and Chelsea Sts., $400,000; annex to Snowden School at McLemore St. and Parkway. L. C. Humes, pres.

Tenn., Nashville—City Hall and Court House—City and Davidson Co. plan combined city hall and court house. $1,000,000. F. Wilson, mayor. L. Hickman, co. judge. Architect not selected.

Tenn., Nashville — Schools — Bd. Educ. plans to expend $300,000 for additions and new schools, to be appropriated as follows: Hume Fogg High School addition $125,000; Central Grammar School $50,000; Morgan Park School $50,000; Negro School $25,000; Boscobel St. School $25,000; Fall School addition $25,000. Architect not selected.

Ky., Ormsby (Lakeland, P. O.)—Home—Louisville and Jefferson Co. Childrens Home, Louisville, plans group of 30 buildings, here. $1,000,000. A. Loomis, 51 Todd Bldg., Louisville, archt.

Ky., Valley Station—Hospital and Sanitarium-Waverly Hill Tuberculosis Hospital and Sanitarium plans fireproof construction hospital and sanitarium. $1,000,000. A. Loomis, 51 Todd Bldg., Louisville, archt.

O., Akron—City Hall—Plans city hall 8 story, brick and stone, South High St. $900,000 bonds voted. Architect not selected.

O., Cincinnati — Parochial School — St. Mary's Catholic Church, Hyde Park, having plans prepared by H. W. Germann, archt., Schwin Bldg., Dayton, 3 story, 60 x 300 ft., brick and Bedford stone, Erie Ave. $350,000.

O., Cleveland—Apartment—A. L. Atwater, 6007 Euclid Ave., plans 4 story and basement, brick and timber, on 50 x 172 ft. site, 1944 East 75th St. $200,000. Architect not selected.

O., Cleveland—High School—Bd. Educ., East 6th St. and Rockwell Ave., having plans prepared by W. R. McCornack, archt., East 6th St. and Rockwell Ave., 3 story, 45 room, brick, steel and concrete, Nottingham Dist. $1,000,000.

O., Cleveland—Office and Commissary—Clark Restaurant Co., 1954 East 6th St., had plans prepared by J. Gray, archt., 1658 High St., Boston, Mass., 2 story, 112 x 120 ft., brick, steel and concrete, East 23rd St. near Payne Ave. $150,000. Noted April 12.

O., Cleveland—Schools—Bd. Educ., East 6th St. and Rockwell Ave., having plans prepared by W. R. McCornack, archt., East 6th St. and Rockwell Ave., 2 story, 12 room addition to Harvard School, $150,000, Oliver Hazard Perry Elementary School, 2 story, 22 room, Nottingham Dist., $500,000, over age special elementary school, 2 story, 24 room, Woodland Ave., $600,000, all brick, steel and concrete.

O., Dayton—Business and Office—L. N. Conrad, vice pres. Cooper Medicine Co., East 1st St., plans 4 or 5 story, 60 x 100 ft., brick and rein.-con., 1st and Jefferson Sts. $175,000. Architect not selected.

O., Lakewood (Cleveland P. O.)—School—Bd. Educ. having preliminary plans prepared by C. W. Hopkinson, archt., Rose Bldg., Cleveland, additions to 2 schools, one at 2079 Dowd Ave., other at Athens and Lincoln Aves., both 2 story, brick, steel and concrete. $150,000.

O., Medina—High School—Bd. Educ. having plans prepared by T. R. Ridley, archt., 58 Merriman Rd., 2 story, brick, steel and concrete. $200,000.

O., Springfield Lake (near Akron)—Sanatorium—Summit Co. Court House (Akron), voted $300,000 bonds for additions to Springfield Lake sanatorium. Architect not selected.

O., Toledo—Bank and Office—Home Savings Bank, c/o M. Miller, pres., having sketches made by Walker & Weeks, archts., 1900 Euclid Ave., Cleveland, 10 story and basement, brick, steel and concrete, Huron and Madison Sts. $1,000,000.

O., Warren—Bank and Office—Trumbull Savings & Loan Co., 102 High St., had plans prepared by Watson Eng. Co., archts. and engrs., Cook Bldg., Cleveland, and soon takes bids 10 story 40 x 132 ft., steel and stone, North Park and High Sts. $400,000. Noted Nov. 16.

O., Warren—Bank and Office—Union Savings & Trust Co., having tentative plans prepared by Keich, O'Brien & Hosker, archts., Western Reserve Bank Bldg., 12 story, brick, stone, steel and terra cotta. East Market St. and Park Ave. $500,000.

O., Youngstown—Home—Salvation Army, 29 North Walnut St., plans home, brick. $150,000. Architect not announced.

Ind., Ft. Wayne — Temple — Masonic Temple Building Co., Wayne and Clinton Sts., having plans prepared by C. R. Weatherhogg, archt., Citizens Trust Bldg., 5 story (equal to 10), 90 x 130 ft., brick, steel and concrete. $1,000,000. C. C. French, Plymouth Bldg., Cleveland, O., consult. engr. Noted Jan. 12.

Mich., Detroit — Clubhouse—Army-Navy Club, 61 Cadillac Sq., plans 8 story and basement, 60 x 120 ft. rein.-con., brick and steel, plain foundation, Bagley Ave. $250,000. Architect's name withheld.

Mich., Kalamazoo—High School—R. A. Leroy, archt., Pratt Bldg., takes bids about February, superstructure for high school for Bd. Educ. Noted Aug. 17.

Mich., Lansing—Terminals—See "Railways."

Mich., Midland—Terminals—See "Railways."

Ill., Chicago — Office — Chicago Tribune, Madison and Dearborn Sts., having plans prepared by J. M. Howells, archt., 367 Lexington Ave., New York City, 100 x 135 ft., 410 ft. high, brick, steel and stone, plain foundation, 431-439 North Michigan Blvd. $7,000,000. Noted June 22.

Ill., Chicago—Store, Office and Hall—D. S. Klafter, archt., 64 West Randolph St., preparing plans 3 story, 145 x 200 ft., rein.-con., brick and steel, Milwaukee and Agatite Sts. $500,000. Owner's name withheld.

Ill., Oak Park—Apartment-Hotel—Weller & Rippel, archts., 140 South Dearborn St., Chicago, preparing plans 5 story apartment-hotel, Oak Park and Madison Sts., here. $800,000. Owner's name withheld.

Wis., Green Bay—Hotel—Hotel Wisconsin Co., c/o W. Schroeder, pres., 86 Michigan St., Wilwaukee, having plans prepared by M. Tullgren & Sons Co., archts., 425 East Water St., Milwaukee, 9 story and basement, 130 x 160 ft., brick and concrete, plain foundation, Adams St., here. $850,000.

Wis., Green Bay—Office—Wisconsin Public Service Co., 559 Marshall St., Milwaukee, plans brick and concrete, plain foundation, South Washington St., here. $150,000. Architect not selected.

Wis., Pulaski—Church—Polish Catholic Congregation plans 2 story, 75 x 190 ft., church and auditorium, brick, rein.-con. and steel, plain foundation. $150,000. Architect not selected.

Wis., Wauwatosa — Seminary—Lutheran Synod of Wisconsin, c/o H. Ebert, secy., 1116 29th St., Milwaukee, plans 3 story, brick and concrete, plain foundation, Spring Ave., here. $200,000. Architect not selected.

Ia., Des Moines—Office and Store—Silverberg & Lince, S & L Bldg., having plans prepared by Boyd & Moore, archts., Fine Arts Bldg., 6 story and basement, 67 x 130 ft. concrete, brick and stone, concrete foundation, 5th and Walnut Sts. $240,000.

Ia., Mason City—Home—Independent Order Odd Fellows, c/o W. F. Knight, chn. Homes Comn., Des Moines, having plans prepared by Proudfoot, Bird & Rawson, archts., 810 Hubbell Bldg., Des Moines, 3 story and basement, 60 x 160 ft. rein.-con., brick, tile and stone addition to Old Folk's Home, here. $150,000.

Ia., Oelwein — High School — Bd. Educ. having plans prepared by W. Gordon, archt., 319 Hubbell Bldg., Des Moines, 3 story and basement, rein.-con., brick, tile and stone. $300,000. G. A. Kidd, secy.

Ia., Tipton—School—Dec. 11, to vote on $300,000 bonds for 2 story and basement, rein.-con. and brick, for Bd. Educ. W. Gorden, 317 Hubbell Bldg., Des Moines, archts.

Minn., Edina — School — School Dist. 17 plans 2 story and basement, rein.-con., brick and tile. $150,000. H. J. Hall, clk. Sund & Dunham, 512 Essex Bldg., Minneapolis, archts.

Kan., Topeka — Office — Kansas Life Insurance Co., 701 Jackson St., takes bids about Dec. 15, 2 story and basement, rein.-con., brick, steel and stone. $175,000. T. W. Williamson & Co., 312 Central Natl. Bank Bldg., archts. Noted Nov. 9.

Kan., Topeka — Office — Security Benefit Mutual Assn., had plans prepared by W. E. Grover, archt., Stormont Bldg., and soon takes bids 3 story, 110 x 130 ft., 7th and Harrison Sts. $200,000.

Kan., Wichita—Hotel—O. S. Shirk, 205 Schweiter Bldg., plans 100 x 140 ft., rein.-con. and brick, plain foundation, Topeka and 2nd Sts. $250,000. Architect not selected.

Kan., Wichita—Jail—S. B. Kernan, chn. Comrs. Sedgwick Co. receiving competitive sketches until Dec. 20, for county jail on Market St. $200,000 bonds voted.

Kan., Winfield—School—School Bd. having plans prepared by J. M. Fuller, archt., Winfield, for school. $200,000. Noted Nov. 30.

Neb., Lincoln — Hospital — City having plans prepared by Davis & Wilson, archts., 515 Security Bldg., and takes bids in December, 2 story and basement, 43 x 230 ft. $250,000. Noted Feb. 23.

Neb., Omaha—College—Brownell Hall, c/o Bishop Shaylor, 1716 Dodge St., having plans prepared by G. B. Prinz, archt., 1037 Omaha Natl. Bank Bldg., for first of 6 buildings, brick and stone, 20th and Davenport Sts. $150,000.

Neb., Omaha—Church—First Methodist Episcopal Church, c/o F. D. Wead, chn. building com., 310 South 18th St., having plans prepared by G. L. Fisher, archt., 1604 City Natl. Bank Bldg., addition to church, 60th and Underwood Sts. $200,000.

Mont., Great Falls—Church—First Methodist Episcopal Church, c/o G. Mecklenburg, Great Falls, plans brick church to replace one destroyed by fire. $150,000. Architect not announced.

Mo., Aurora — Hospital — Owner c/o Chamber of Commerce, plans 4 or 5 story, rein.-con. and brick, plain foundation, Main St.

Mo., Kansas City — Apartment — W. L. Elson, 307 Commerce Bldg., having plans prepared by N. E. Peters, archt., Merriam, Kan., two 3 story and basement, 40 x 120 ft., brick. $90,000 each.

Mo., Kansas City — Bank and Office — Kansas City Joint Stock Bank having preliminary plans prepared by Keen & Simpson, archts., 402 Reliance Bldg., 10 story and 2 basements, 34 x 140 ft., rein.-con., brick, steel and stone, 15 West 10th St. $300,000.

Mo., Kansas City—High School—Bd. Educ. having plans prepared by C. A. Smith, archt., 600 Finance Bldg., and takes bids about March 1, 4 story and part basement, 300 x 325 ft., rein.-con., brick and stone. $1,400,000.

Mo., Kansas City—Home—Interdenominational Home for Girls, 2940 Highland

UNIT PRICES ON PITTSBURGH SCHOOLS 1921-1922

		Cubage	General Work Amount	General Work Per Cu.Ft.	Heating and Ventilating Amount	Heating and Ventilating Per Cu.Ft.	Plumbing Amount	Plumbing Per Cu.Ft.	Electrical Amount	Electrical Per Cu.Ft.	Total Amount	Total Per Cu.Ft.	Landscaping and Abnormal Foundation Amount	Total Cost Amount
1921	Greenfield Elementary	1,590,000	$481,181	$0.3026	$64,801	$0.0407	$28,140	$0.0177	$10,878	$0.0068	$585,000	$0.3679	$17,819	$602,819
1921	Perry Elementary	1,625,000	432,043	.2658	61,453	.0378	26,910	.0165	9,899	.0060	530,305	.3263	20,480	550,785
1921	Langley High	1,654,473	491,402	.2970	62,388	.0377	27,017	.0163	19,500	.0117	600,307	.3628	52,960	653,267
1922	Fairywood Elementary	107,392	31,506	.2934	3,653	.0340	2,880	.0268	724	.0667	38,763	.3609	2,166	40,929
1922	John Morrow Annex No. 2	251,000	74,872	.2983	10,865	.0434	3,374	.0134	1,850	.0773	90,961	.3624	5,000	95,961
1922	Gladstone Addition	485,790	139,805	.2878	24,771	.0510	7,320	.0151	3,522	.0072	175,418	.3611	12,000	187,418
1922	South High Junior-Senior Annex	1,547,500	442,400	.2859	68,782	.0444	37,791	.0244	16,430	.0106	565,403	.3653	10,000	575,403
1922	Beechwood Elementary School Addition	980,479	300,796	.3068	37,278	.0380	21,473	.0219	7,215	.0073	366,762	.3740	48,500	415,262

* Board of Education Statistics.

Buildings (Continued)

Ave., takes bids about Dec. 15, 3 story and basement, **60 x 210 ft., rein.-con.** and brick, 63rd St. and Swope Parkway. $150,000. C. A. Smith, 600 Finance Bldg., archt. Noted Nov. 2.

Mo., Kansas City—Hotel and Kitchenette—Regent Investment Co., 507 Ridge Bldg., having plans prepared by Greenbaum, Hardy & Schumacher, archts., 216 Scarritt Bldg., 6 story and basement, 100 x 135 ft., rein.-con., brick and stone. $225,000.

Mo., St. Louis—Armory—Feb. 9, to vote on $1,000,000 bonds (Proposition 19) for armory, Grand and Clark Sts., for National Guard.

Mo., St. Louis—Auditorium—Feb. 9, to vote on $5,000,000 bonds (Proposition 13) for acquisition of site and erection of municipal auditorium and community center.

Mo., St. Louis—Bath Houses—See "Miscellaneous."

Mo., St. Louis—Court House—Feb. 9, to vote on $4,000,000 bonds (Proposition 5) for new court house and site.

Mo., St. Louis—Engine House—Feb. 9, to vote on $285,000 bonds (Proposition 15) $35,000 for Southampton engine house and $250,000 for repairs to old houses.

Mo., St. Louis—Hospitals, etc.—Feb. 9, to vote on $4,500,000 bonds (Proposition 12) additions to Koch, City and Isolation hospitals and sanitarium, new hospital for colored people and new morgue, manual training school at Bellefontaine Farm for Boys, building at farm for delinquent girls, enlarging, extending and additions to farm for feeble-minded.

Mo., St. Louis—Markets—Feb. 9, to vote on $1,250,000 bonds (Proposition 20) reconstructing present public markets or constructing new markets.

Mo., St. Louis—Office—Missouri State Life Insurance Co., 1501 Locust St., had plans prepared by A. B. Groves, archt. and engr., 320 North 4th St., 5 story, 103 x 155 ft. top addition, rein.-con., brick and steel, Locust and 15th St. $500,000.

Mo., St. Louis—Office—J. M. Robertson, Pierce Bldg., having plans prepared converting Planters Hotel, 10 story and basement, steel, into office building, 4th and Pine Sts. $750,000. Architects name withheld.

Mo., Sedalia—High School—Dec. 8 to vote on $500,000 bonds 3 story, rein.-con. and brick, plain foundation. Architect's name withheld. Noted Dec. 22.

Tex., Amarillo—Lodge—Masonic Temple Co. plans new masonic temple here. $200,000. Architect not selected.

Okla., Okmulgee—Convention Hall—City had plans prepared by Senter & Smith, archts. and engrs., Commerce Bldg., 2 story, 120 x 140 ft., brick and terra cotta, North Alabama St. Proposition placed before various civic organizations; if approved election will be called to vote on $175,000 bonds.

Colo., Denver—Hotel—H. W. Bennett and associates, 1010 16th St., plans to remodel and build 2 story addition to Brown Palace Hotel, Bway. and 17th St. $500,000. Architect not definitely selected but will probably be H. W. J. Edebrook, Tabor Grand Bldg.

Nev. Gerlach—Hotel, etc.—Pacific Portland Cement Co., Pacific Bldg., San Francisco, Calif., having plans prepared by Weeks & Day, archts., California Insurance Bldg., San Francisco, Calif., for rein.-con. hotel, cottages, auditorium, etc., here. $150,000.

Ariz., Tucson—High School—Lyman & Place, archts., 79 North Stone Ave., take bids about Dec. 15, 3 story, 200 x 285 ft., rein.-con. and brick, plain foundation, for Bd. Educ. $750,000.

Wash., Seattle—Lodge—Seattle Elk Lodge 2 receiving plans (from Seattle architects) for lodge on 4th Ave. between Madison and Spring Sts. $1,100,000. A. Glasser, member building com. Noted Aug. 31.

Calif., Livermore—Sanitarium—City and San Francisco Co. having plans prepared by H. H. Meyers, archt., Kohl Bldg., San Francisco, 2 story, frame addition, Arroyo Sanitarium Grounds, here. $150,000. Work will be financed by city and San Francisco Co. and maintained by Alameda Co. under five year leases to be granted from time to time.

Calif., Modesto—Schools—Modesto School Dist. election Dec. 19, to vote on $175,000 bonds for school improvements. Architect not selected.

Calif., Oakland—Auditorium—City plans 300 x 600 ft. addition. To exceed $150,000. E. R. Sturgis, clk.

Calif., Oakland—Store and Office—Ambassador Realty Co., headed by G. Ebe, c/o Fulton Playhouse, 1518 Franklin St., take bids in about 2 weeks, 7 story and basement, rein.-con. and terra cotta, pressed brick facing, 17th St. near Bway. $165,000. C. W. McCall, Central Bank Bldg., archt.

Calif., Oakland—Theatre and Apartment—Roos Bros., c/o Weeks & Day, archts., California Insurance Bldg., San Francisco, having plans prepared, probably 10 story, 90 x 230 ft., rein.-con., Grand Ave. near Bway. $500,000.

Calif., Piedmont — School — Piedmont School Dist. election Dec. 15, to vote on $240,000 bonds for school. H. A. Haas, clk. W. H. Weeks, 369 Pine St., San Francisco, archt.

Calif., San Diego—Hotel—J. D. Spreckels, (street address not available) plans 6 story, rein.-con. and steel addition to Hotel San Diego. $300,000.

Calif., Visalia—Courthouse—Tulare Co. plans court house. To exceed $500,000. G. R. Prestidge, clk.

Ont., Hamilton—Hospital—Bd. Control plans wing addition to hospital. $150,000. G. C. Coppley, chn. Architect not selected.

BIDS DESIRED

Mass., Boston—Police Station—Dec. 12, by Public Buildings Dept., City Hall, 10 story, 65 x 90 ft., brick and steel, plain foundation, Milk and Sears St. Former bids rejected. J. Purdon, 8 Beacon St., archt. B. Brown, 88 Broad St., engr. Noted Nov. 23.

New York — See "Miscellaneous under Flushing, N. Y."

N. Y., Central Islip—Kitchen and Dining Room, etc.,—Dec. 12, by State Hospital Comn., Albany, kitchen and dining room building and connecting corridor, at Central Islip Hospital, here. L. F. Pilcher, Albany, state archt.; adv. this issue.

N. Y., Flushing—Dormitories, etc.—Dec. 11, by C. B. J. Snyder, supt. School Buildings of Bd. Educ., Flatbush Ave. extension and Concord St., Brooklyn, dormitories, masters' house, barns, etc. for Parental School on westerly side of road between here and Jamaica, about 1,700 ft. south of North Hempstead Turnpike, here.

N. Y., New York—Apartment—Gold Cross Constr. Co., c/o E. M. Crumley, archt. and engr., 355 East 149th St., 5 story, 65 x 150 ft., brick, steel and stone, plain foundation, Union Ave. $750,000. Work will be done by separate contracts under supervision of architect.

N. Y., New York—Apartment—Tremil Realty Corp., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., 6 story, 85 x 125 ft., brick, steel and stone, plain foundation, University Ave. $200,000. Work will be done by separate contracts under supervision of architect.

N. Y., New York—Loft—Frank & Frank Contg. Co., c/o Schwartz & Gross, archts. and engrs., 347 5th Ave., 9 story, brick, steel and stone, plain foundation, 226 West 40th St. $400,000. Work will be done by separate contracts.

N. J., Bordentown—High School—Dec. 11, by Fowler & Seaman, archts., Broad St. Bank Bldg., Trenton, 2 story and basement, 92 x 121 ft., brick and steel, here, for Bd. Educ. $150,000. Noted Oct. 12.

Pa., Phila. — Museum — Dec. 9, by University of Pennsylvania, 34th and Spruce Sts., 2 story, concrete, brick, steel and stone, 34th and Spruce Sts. $750,000 Day & Klauder, Commercial Trust Bldg., archts.

Pa., Phila.—Lodge—Lachman & Murphy, archts., Drexel Bldg., taking bids 4 story and basement, 50 x 150 ft. brick, steel and stone, plain foundation, 19th and Addison Sts., for K. of P., c/o G. B. Collier, 415 South 19th St.

Md., Baltimore—School—Dec. 13, by Bd. of Awards, at office of R. Gwinn, City Register, City Hall, School Project 8, 3 story and basement, 100 x 270 ft., brick and hollow tile, Central Ave. and Lexington St. Buckler & Fenhagen, 325 North Charles St., archts.

N. C., Asheville—Store—W. L. Stoddart, archt. and engr., 9 East 40th St., New York City, receiving bids and opens same about Dec. 20, 4 story, brick, steel and stone, for Letinskys Dept. Store, here. $400,000. Noted Nov. 16.

Ala., Albany—High School—Dec. 19, by Bd. Educ., 3 story, 80 x 300 ft., alternate bid on terra cotta, tile and stucco superstructure or terra cotta, tile and face brick. Main St. $160,000. W. B. Ittner, 911 Locust St., St. Louis, Mo., archt.

Tenn., Nashville — War Memorial and Capitol Annex—Jan. 10, by H. McAllister, chn., State Capitol, soldiers war memorial and capitol annex, for State, Davidson Co. and City. $1,400,000. McKim, Mead & White, 101 Park Ave., New York City, and E. Daugherty, Stahlman Bldg., Nashville, archts. Noted Aug 31.

O., Cleveland—Commercial and Apartment—Bonar Realty Co., c/o P. F. Price, 307 Ulmer Bldg., taking bids 3 story and basement, 110 x 112 ft., brick and timber, East 129th St. and St. Clair Ave. $160,000. Allen-Osborn Co., 700 Rose Bldg., archts.

O., East Cleveland (Cleveland P. O.)—Apartment, etc.—L. Duchon, 3045 Essex Rd., Cleveland Heights, taking bids 2 story and basement, 106 x 125 ft., brick and timber apartment house and garage, Elderwood and Wymore Aves., here. $150,000. A. F. Janowitz, Permanent Bldg., Cleveland, archt.

Mich., Detroit—Apartment—Island View Apartments, c/o J. W. Wilson, archt., 17 Campus Martius, taking bids 7 story and basement, 115 x 155 ft. rein.-con., brick and steel, plain foundation, Jefferson and Marquette Aves.

Mich., Detroit—Apartment—J. I. Weinberg, archt., 401 Congress Bldg., taking bids and opens same about Dec. 15, 4 story and basement, 60 x 140 ft. rein-con., brick and steel, plain foundation, Selden Ave., for Wildre & Rubin, c/o archt. $175,000.

Mich., Highland Park (Detroit P. O.)—Apartment—A. Kahn, archt., 1000 Marquette Bldg., Detroit, taking bids and opens same about Dec. 15, 4 story and basement, 44 ft. high, 135 x 206 ft. rein.-con., brick and steel, plain foundation, Woodward and Ferris Aves., for L. Harmon, 300 Real Estate Exch. Bldg., Detroit.

Ill., Chicago — Apartment — Ronneberg, Pierce & Hauber, archts., 10 South LaSalle St., receiving bids 5 story, 75 x 120 ft., rein.-con., brick and steel, 105 Fullerton Parkway. $250,000. Owner's name withheld.

Buildings (Continued)

Ill. Chicago—Store, Office and Apartment—R. R. Cenek, archt., 118 North La Salle St., receiving bids 3 story, 100 x 125 ft., rein.-con., brick and steel, 71st and Jeffrey Sts. $175,000. Owner's name withheld.

Mo., St. Charles—High School—Dec. 28, by School Bd., 400 North 6th St., 3 story, 130 x 150 ft., brick, plain foundation, 6th St. $160,000. W. B. Ittner, 911 Locust St., St. Louis, archt.

Mo., St. Louis—Club-Hotel—Dec. 14, by Bd. Directors, City Club, 911 Locust St., 12 story, 60 x 122 ft., rein.-con. and brick, 11th and Locust Sts. $700,000. Will be let on fixed fee basis. T. P. Barnett Co., 1559 Arcade Bldg., archts. Noted Oct. 5.

Calif., Santa Clara—Science Hall—J. J. Donovan, archt., Pacific Bldg., Oakland, receiving bids 3 story, rein.-con., for University of Santa Clara. $200,000.

B. C. Victoria—Bank—Dec. 14, by Bank of Nova Scotia, Bank of Nova Scotia Bldg., Vancouver, 2 story and basement, 56 x 60 ft., and 1 story, 35 x 56 ft., rein-con., steel and stone, Douglas and Yates Sts. $150,000. A. A. Cox, 718 Granville St., Vancouver, archt.

BIDS RECEIVED

N. Y., New York—Armory—Armory Bd., City Hall, opened bids Nov. 27, general contract reconstructing Squadron A, 95th St., from W. W. Constr. Co., 51 East 42nd St., $209,250, C. L. Dooley Co., Inc., 257 Adelphi St., Brooklyn, $232,849; heating from Federal Heating Co., 300 Madison Ave., $27,992, Austin Eng. Co., 121 West 42nd St., $28,471, Almirall & Co., Inc. 1 Dominick St., $28,500. Noted Nov. 23.

N. Y., New York—Bath House—Bd. Estimate, Municipal Bldg., opened bids Nov. 27, general contract public bath building, 35 West 134th St., from Lustig & Weil, 103 Park Ave., $236,690, T. A. Reilley Co., 48 East 41st St., $278,575, M. F. Kelley Co., 51 East 42nd St ,.$280,945; altering, heating and ventilating plants in above, from Federal Heating Co., 300 Madison Ave., $22,-100, Austin Eng. Co., 124 West 42nd St., $25,891, Shevlin Eng. Co., 110 West 34th St. $26,943. Noted July 13.

Pa., Butler—Hospital—E. L. Tilton, archt., 141 East 45th St., New York City, opened bids Nov. 15, (1) main hospital building, (2) power house, Brady St., for Butler Memorial Hospital, from W. M. Sutherland Constr. Co., Commerce Bldg., Erie, (1) $414,827, (2) $74,763; Cuthbert Bros., Bessemer Bldg., Pittsburgh, (1) $427,149, (2) $73,758; Amsterdam Bldg. Co., 138 East 44th St., New York City, (1) $442,287, (2) $75,086. Noted Oct. 26.

O., Bowling Green—Dormitory—Bd. Trustees State Normal College, opened bids Nov. 25, 3 story and basement, 46 x 150 ft., brick, concrete and stone, from Watts-Suhrbier Co., 1235 Miami St., Toledo, $138,-138; J. F. Barnes, Logansport, Ind., $145,-904; S. Q. Henke & Sons, Gallipolis, $148,-490. Noted Nov. 2.

O., Cleveland—School—Bd. Educ., East 6th St. and Rockwell Ave., general contract 2 story, 160 x 300 ft., brick, steel and concrete, East 140th St. and Darley Ave., from Moore-Lamb Constr. Co., Stambaugh Bldg., Youngstown, $378,433, Tenbusch-Parker Constr. Co., Union Bldg., $378,494, W. Moore Co., 1276 West 4th St., $380,420; steam heating plant from Feldman Bros., 10309 Barrett Ave., $53,225.

Minn., Minneapolis—Schools—Bd. Educ. opened bids Nov. 23, general contract 3 story and unfinished basement, 45 x 250 x 300 ft. with 1 story, 60 x 300 ft. wing, rein.-con., brick and tile, 5th St. S. E. and 13th Ave., from J. E. Nelson & Son, 915 East Bway., $503,000. Pehrson Bros., 555 Temple Court, $509,600; general contract, 3 story and unfinished basement, 45 x 250 x 300 ft. with 1 story, 60 x 80 ft. wing, rein.-con., brick and tile, 26th St. and Emerson Ave., from Standard Constr. Co., 1101 Plymouth Bldg., $358,450, Madsen Constr. Co., 848 Builders Exchange Bldg., $373,178. Noted Oct. 26.

Tex., San Antonio—Masonic Temple—Scottish Rite Lodge, opened bid 2 story, brick and steel, concrete footings, Ave. E and 4th St., from J. DePuy, Bedell Bldg., $663,984. Noted Nov. 2.

Calif., Redwood City—High School—Sequoia Union High School Dist., opened bids high school, general contract from R. Trost, 26th and Howard Sts., San Francisco, $210,704, Beck & Kohn, 180 Jessie St., San Francisco, $223,241, Hannah Bros., 142 Sansome St., San Francisco, $229,000; plastering from J. Greenback, 371 Waller St., San Francisco, $39,600, A. Knowles, Call Bldg., San Francisco, $42,250, L. Bosch, 180 Jessie St., San Francisco, $42,-320; plumbing from Christensen & Anderson, 167 Hamilton Ave., Palo Alto, $36,128, Burnham Plumbing Co., 1220 Webster St., San Francisco, $36,217, Palo Alta Eng. & Constr. Co., Palo Alto, $36,502; heating and ventilating from J. F. McGowan, 3786 Mission St., San Francisco, $33,997, W. H. Picard, 5656 College Ave., Berkeley, $34,-372, J. E. O'Mara, 443 Minna St., San Francisco, $35,990. Noted Oct. 26.

CONTRACTS AWARDED

Mass., Boston—Office—Insurance Building Corp., c/o Coolidge & Shattuck, archts., 122 Ames Bldg., 11 story, 194 x 216 ft. and 106 x 161 ft., limestone and marble, wood pile foundation, concrete sub-foundation, Milk, India, Broad and Central Sts., to G. A. Fuller Co., 710 Bd. of Trade Bldg. $3,000,000.

N. Y., Buffalo—Dining Room—State Hospital Comn., Albany, general contract additional accommodations for patients at Buffalo State Hospital, here, to Peckham Constr. Co., Niagara Life Bldg., $124,221. Noted Oct. 19.

N. Y., New York—Apartment—Avoca Realty Co., c/o G. A. Bagge & Sons, archts. and engrs., 299 Madison Ave., 5 story, 114 x 130 ft., brick, steel and stone, plain foundation, University Ave., by day labor. $200,000. S. Ball, pres.

N. Y., New York—Apartment—Gairo Realty Co., c/o G. F. Pelham, archt. and engr., 200 West 72nd St., 14 story, 75 x 80 ft., brick, steel and stone, plain foundation, 159 West 54th St., by day labor. $600,000.

N. Y., New York—Apartment—Glick-Fein Building Corp., c/o D. S. Lang, archt. and engr., 110 West 34th St., 5 story, 100 x 100 ft., brick, steel and stone, plain foundation, 74 Audubon Ave., by day labor. $250,000.

N. Y., New York—Apartment—Jonah Realty Co., Inc., c/o Goldner & Goldner, archts. and engrs., 47 West 42nd St., 6 story, 115 x 115 ft., brick, steel and stone, plain foundation, Grand Concourse, by day labor. $300,000.

N. Y., New York—Apartment—J. Kleiner, c/o D. S. Lang, archt. and engr., 110 West 34th St., 5 story, 100 x 100 ft., brick, steel and stone, plain foundation, Hoe Ave., by day labor. $150,000.

N. Y., New York—Apartment—Ratner & Bandes Bros., c/o Goldman & Goldner, archts. and engrs., 47 West 42nd St., 5 story, 105 x 120 ft., brick, steel and stone, plain foundation, Bryant Ave., by day labor. $175,000.

N. Y., New York—Apartment—Sedgwick Realty Co., c/o G. F. Pelham, archt. and engr., 200 West 72nd St., 5 story, 75 x 100 ft., brick, steel and stone, plain foundation, 511 West 151st St., by day labor. $150,000.

N. Y., New York—Apartment—L. Shiren, c/o D. S. Lang, archt. and engr., 110 West 34th St., 5 story, 100 x 125 ft., brick and steel and stone, plain foundation, East 176th St., by day labor. $225,000.

N. Y., New York—Apartment—S. & L. Building Corp., c/o E. Roth, archt. and engr., 119 West 40th St., 14 story, 102 x 142 ft., brick, steel and stone, plain foundation, Bway. and 82nd St., by day labor. $1,200,000.

N. Y., Olean—School—Church of St. Marys of the Angels, general contract 3 story, 68 x 120 ft., brick, tapestry limestone, etc., to Dean, Duffy & Lichte, Olean, $237,500.

N. Y., Patchogue—High School—Bd. Educ., brick, steel and stone, plain foundation, to Burke Bros. Constr. Co., 1476 Bway., New York. Archts. est. $500,000. Noted Oct. 19.

N. J., Atlantic City—Apartment—H. Potamkin, 3 story and basement, cut stone and brick, caisson foundation, Maine Ave. and Beach, to Shabin Constr. Co., Guarantee Trust Bldg. $200,000.

Pa., Barnesboro—Bank and Apartment—First Natl. Bank, 3 story and basement, 49 x 83 ft. brick and limestone, to Hoggson Bros., 485 5th Ave., New York City. Archts. est. $200,000.

Pa., Carrick (Pittsburg P. O.)—School—Bd. Educ. let following contracts for school here, brick masonry to J. Bick, 2211 Arlington Ave., Pittsburgh, $122,975; concrete work to D. McNeil Co., Jenkins Arcade, Pittsburgh, $83,500; carpenter and mill work, to Lythe Campbell Co., 1007 Forbes St., Pittsburgh, $98,650; cut stone, to P. H. McMahon, 256 Lombard St., Pittsburgh, $79,980; fireproofing to Toupet Bldg. Co., 5814 Ellsworth Ave., Pittsburgh, $82,984; plastering to Schuchbert Bros., 116 Allen Ave., Pittsburgh, $48,250; heating and ventilating, to R. T. Withers & Sons Co., New Castle, $62,880; plumbing, to G. H. Soffel, 127 4th Ave., Pittsburgh, $31,055. Noted Oct. 19.

Pa., Phila.—Bank—Wayne Junction Trust Co., c/o A. Scanlon, 3 story and basement, 40 x 110 ft. rein.-con., brick and steel, plain foundation, Germantown and Roberts Aves., to Simon, Brittain & English, 929 Chestnut St. Archts. est. $250,000. Noted Sept. 21.

Pa., Phila.—Hospital—Bd. Pub. Health, City Hall, 4 story, 34th and Pine Sts., to J. B. Kelley Co., 2313 Walnut St., $246,987. Noted Nov. 16.

Pa., Phila.—Loft—C. A. Kahn, Morris Bldg., 3 story and basement, 137 x 165 x 214 ft. rein.-con. and brick, plain foundation, 32nd and Turner Sts., to Wills-Bills Co., 1706 Sansom St. Archts. est. $350,000.

Pa., Phila.—Office—D. B. Bassett, 7 story and basement, 40 x 52 ft., brick, stone and steel, plain foundation, 1518-1520 Locust St., to F. G. Stewart, 1619 Sansom St. $150,000.

Pa., Phila.—Office—Employees Liability Insurance Co., London, England, 5 story and basement, 46 x 119 ft. rein.-con., brick, steel and stone, plain foundation, 311-313 Walnut St., to Wark & Co., 231 South Broad St. Archts. est. $200,000.

D. C., Wash.—Theatre and Office—Cosmos Theatre Co., 10 story, 100 x 200 ft., 13th and 3 Sts., N. W., to Longacre Eng. Co., 562-5th Ave., New York City. $1,000,000. Noted Oct. 26.

Ga., Atlanta—Store—M. Rich & Bros. Co., 52 Whitehall St., 6 story and basement, 177 x 199 ft., rein.-con., steel, concrete, stone, brick and tile, to Selden Breck Constr. Co., Healey Bldg., $1,250,000. Noted Nov. 2.

O., Cleveland—Apartment—Miramer Development Co., c/o J. H. MacDowell, archt., 510 Bulkley Bldg., 6 story and basement, brick, steel and concrete, Detroit Rd. and Blount St., to W. Dunbar Co., 8201 Cedar Ave. Archts. est. $1,000,000.

Ill., Chicago—Apartment—C. Barkman, 1522 Carmen Ave., 3 story and basement, 100 x 120 ft., rein.-con., brick and steel, 1618-24 Columbia Ave., to E. N. Edlund, 6520 North Artesian Ave. Archts. est. $165,000.

Ill., Chicago—Apartment—M. A. Morrissey, 140 South Dearborn St., 3 story and basement, 125 x 300 ft., rein.-con., brick and steel, 910-38 Oakdale Ave., to Anderson & Winblad, 6235 South Michigan Ave. Archts. est. $400,000. Noted Nov. 23.

Ill., Chicago—Apartment—Realty Building and Constr. Co., 177 North State St., 3 story and basement, 10 x 202 ft., rein.-con., brick and steel, 3740-48 Pine Grove Ave., to A. T. Herlin, 6117 Evans Ave. Archts. est. $275,000.

Ill., Chicago—Apartment—A. E. and L. A. Strohm, 1360 Greenleaf Ave., 3 story and basement, 100 x 170 ft., rein.-con., brick and steel, 1642-50 Estes Ave., to J. Anderson & Sons, 5717 Hermitage Ave. Archts. est. $250,000. Noted Oct. 26.

Ill., Chicago—Bank and Office—S. W. Straus & Co., 565 5th Ave., New York City, 22 story, 161 x 171 f.t, brick, steel and stone, plain foundation, Michigan and Jackson Blvds., here, to Thompson-Starrett Constr. Co., Insurance Exch. Bldg. Archts. est. $7,000,000.

Ill., Chicago—Church—K. M. Vitzthum & Co., archts., 605 North Michigan Blvd., 1 story and basement, 125 x 180 ft., rein.-con., brick and steel, 5100 West Madison St., to Duffy & Noonan, 140 South Dearborn St. Archts. est. $250,000. Owners name withheld.

Ill., Chicago—Hotel, Store and Hall—Kendall & Lund, c/o L. Steif & Co., archts., 64 West Randolph St., 6 story, hotel, store and dance hall, 64th St. and Cottage Grove Ave., to F. A. Siebold, Jr., 3130 Sheffield St., $1,200,000.

Ill., Chicago—Store and Office—P. Kearney, 111 West Washington St., 2 story, 150 x 161 ft., rein.-con., brick and steel, 7516-30 Sheridan Rd., to Johnson-Anderson Co., 7170 Evans Ave. Archts. est. $200,000.

Ill., Forest Park—Store, Office and Apartment—R. C. Hain, Forest Park, 3 story, 60 x 147 ft., rein.-con., brick and steel, Madison and Marengo Sts., to W. F. Peterson, 118 North La Salle St., Chicago. Archts. est. $150,000.

Ia., Des Moines—Hospital—Polk Co. Hospital Assn., general contract 3 story and basement, 66 x 219 ft., rein.-con., brick and tile, Prospect and Hickman Rds., to Sugarman Constr. Co., 7th and Tuttle Sts., $137,214. Noted Nov. 9.

Ia., Ft. Dodge—Hotel—Hotel Wahkonsa, 8 story and basement, 140 x 180 ft. addition, rein.-con. and terra cotta, to W. J.

Buildings (Continued)

Zitterell, Webster City, $700,000. Noted Oct. 26.

Minn., Minneapolis—Institution—Bethany Home, 3719 Bryant Ave., S., general contract, 3 story and basement, 44 ft. high, L-shaped, one wing 41 x 142 ft., other 41 x 172 ft., rein.-con., brick and tile, 3719 Bryant Ave., S., to Madsen Constr. Co., 848 Builders' Exchange Bldg., $110,935. Noted Nov. 16.

Tex., Georgetown—School—For 1 and 2 story brick and stone, concrete footings, to Wattinger Bros., Austin, (street address not available). $126,958.

Tex., Laredo—Hotel—M. Little, concrete frame for 6 story, rein.-con., brick and steel hotel, to J. C. Diehlman, 306 East Commerce St., San Antonio, $35,000. Total cost $200,000. Noted Nov. 23.

Wash., Longview — Store and Office — Long-Bell Lumber Co., 2 story and basement, 120 x 150 ft., mill construction, faced with brick and terra cotta, to Westlake Constr. Co., Ry. Exch. Bldg., St. Louis, Mo. Archts. est. $150,000.

Wash., Seattle—Apartment Hotel—Simpson-Wilson Co., University Way, 6 story, 103 x 144 ft., 47th St. and University Way, to Puget Sound Bridge & Dredging Co., Central Bldg., Archts. est. $750,000.

Calif., San Francisco — Office — E. N. Fritz, Jr., c/o Apartment House Owners & Managers Assn., Claus Spreckels Bldg., 6 story brick and stone, concrete footings, to near Montgomery St., to Cahill Bros., 110 Sutter St., $250,000.

Calif., Visalia—Bank and Office—Bank of Italy, Powell and Market Sts., San Francisco, 5 story, rein.-con., here, to J. Furlong, Monadnock Bldg., San Francisco, $107,000. Noted Nov. 9.

Que., Montreal — Pathological — McGill University, Sherbrooke St. W., 4 story, 51 x 77 x 243 ft. rein.-con., brick, steel and stone, Pine Ave., to J. Quinlan & Co., Greene Ave., $282,000.

Ont., Kitchener—City Hall—Schmalz & Jones, archts., 15 Queen St., 2 story and basement, concrete, brick, steel, stone and tile, general contract to P. H. Secord & Sons Constr. Co., Ltd., 133 Nelson St., Brantford, $250,000; heating and plumbing, to Ruppel & Co., 31 King St. W.; electric work, to Star Electric Co., 91 King St. W. Total est. $300,000. Noted Oct. 26.

Ont., Windsor—Office—A. H. McPhail, archt., McGregor Blk., 3 story and basement, concrete, brick and steel office and plant, to S. E. Dinsmore, McGregor Bldg., for Border Cities Star, 104 Sandwich St. W. $200,000. Noted Oct. 12.

Ont., Windsor—School—Bd. Educ., general contract 3 story and basement, 30 room, concrete, brick, steel, stone and tile, to S. E. Dinsmore Co. Ltd., McGregor Bldg., $300,000. Noted Nov. 2.

Bermuda, Hamilton—Hotel — Hamilton Hotel Corp., 6 story, 200 x 250 ft., brick, steel and stone, plain foundation, to J. Stewart Co., 30 Church St., New York City. Archts. est. $1,000,000.

Federal Government Work

PROPOSED WORK

N. J., Lake Denmark—Standpipe, etc.—Spec. 4759—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans standpipe and mains, here.

Pa., Pittsburgh—Houses—U. S. Engineer, Pittsburgh, plans lockkeepers houses at Lock 6, Monongahela River.

N. C., Fayetteville—Lock and Dam—U. S. Engineer, Wilmington, plans third lock and dam on Cape Fear River about 15 mi. below here. O. O. Kuentz, dist. engr.

Ala., Florence—Cement—U. S. Engineer, Florence, plans to purchase 400,000 lb. portland cement.

Wash., Yakima—Irrigation—U. S. Recl. Service, Yakima, plans to irrigate 1,500 acres Snipes Mountains, east of Granger, with water from Sunnyside Canal. Project includes syphon, canals, etc. $225,000. J. S. Moore, dist. engr.

Calif., Eureka—Stone—U. S. Engineer, Custom House, San Francisco, soon receives bids furnishing stone for construction Humboldt jetties, here. Placing rock will be done by day labor.

Calif., San Diego—Barracks—Spec. 4765—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans 2 barrack buildings at Marine Corps Base, here.

Calif., San Diego—Quarters—Spec. 4762—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans 9 quarters, here.

SHAFT—BROOKLYN, N. Y.

Following are lowest three bids opened by Bd. Estimate & Apportionment, City Hall, New York City, Nov. 24, for Shore Rd. Shaft of The Narrows Tunnel between boroughs of Brooklyn and Richmond, Contr. No. 2, (A) P. McGovern, Inc., 50 East 42nd St., New York City; (B) Keystone State Constr. Co., 210 South 13th St., Phila.; (C) Mason & Hanger Co., Inc., 52 Vanderbilt Ave., New York City. The unit bids were as follows:

	A	B	C
1200 cu.yd. earth excavation above mean sea level	$20.00	$7.00	$15.00
9100 cu.yd. earth excavation below mean sea level	23.00	19.00	15.00
10 cu.yd. rock excavation below men sea level under compressed air	20.00	19.00	25.60
3,850 cu.yd. concrete in caisson shaft, walls and floor, normal air	15.00	13.50	18.00
600 cu.yd. concrete in caisson shaft floor, under compressed air	20.00	25.00	30.00
300 bbl. mortar batches used in placing concrete	4.60	4.00	7.00
10 bbl. 1:1 portland cement grout–normal air	7.80	6.00	6.00
10 bbl. 1:0 portland cement grout–normal air	6.70	6.00	5.00
100 bbl. 1:1 portland cement grout–under compressed air	9.80	9.00	9.00
10 bbl. 1:0 portland cement grout–under compressed air	8.20	8.00	7.00
Waterproofing, treated woven fabric, including brick, under compressed air 325 sq.yd. four-ply	5.35	6.00	6.00
5 cu.yd. brick in asphalt mastic, with one-ply fabric, under compressed air	47.50	60.00	60.00
10 sq.yd. six-ply	7.05	6.25	8.00
1,345 ton steelwork for shaft, except rods and bars	121.00	166.00	186.00
2 ton steel rods and bars	90.00	140.00	120.00
4,000 lb. furnishing and placing w.i. or steel pipe (threads, couplings and caps included)	.10	.15	.08
3 ton furnishing and placing 12 in. c. i. pipe in bottom of shaft	160.00	200.00	120.00
Engineer's field office-building, equipping and maintaining (lump sum)	20,000.00	30,000.00	23,000.00
15 m. B.ft. temporary timber over shaft, (incl. placing steel roof girders in pockets)	140.00	150.00	100.00
250 lin.ft. building a tight board fence around shaft, if required	3.00	2.00	2.50
Extended totals	$494,539	$510,578	$523,775

Calif., San Diego—Quarters—Spec. 4763—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans quarters for Commander-General, here.

Calif., San Diego—Roads—Spec. 4766—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans concrete roads at Marine Corps Base, here.

Calif., San Diego—Sewers, Mains, etc.—Spec. 4764—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans sewers, mains, etc. at Marine Corps Base here.

H. T., Pearl Harbor—Extension—Spec. 4761—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans extension for battery storage and overhaul, here.

H. T., Pearl Harbor—Storage Facilities—Spec. 4760—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans additional storage facilities, here.

BIDS DESIRED

N. Y., Tupper Lake—Equipment, etc.—Spec. 4720—Dec. 28 (change of date), by Bureau Yards & Docks, Navy Dept., Wash., D. C., refrigerating equipment, etc., at U. S. Veterans Hospital, here. Noted Oct. 19.

N. Y., Tupper Lake — Hospital — Spec. 4718—Dec. 28, by Bureau Yards & Docks, Navy Dept., Wash., D. C., for U. S. Veterans Hospital, here, as follows: Part 1, general construction, Part 2, plumbing, Part 3 heating and steam distributing, Part 4 lighting system, etc., Part 5 boiler house equipment, etc.; adv. this issue. Noted Nov. 23.

N. Y., Tupper Lake—Radial Brick Stack—Spec. 4722—Dec. 28 (change of date), by Bureau Yards & Docks, Navy Dept., Wash., D. C., for radial brick stack, at U. S. Veterans Hospital, here. Noted Oct. 19.

N. Y., Tupper Lake—Water Tank—Spec. 4724—Dec. 28 (change of date), by Bureau Yards & Docks, Navy Dept., Wash., D. C., for steel tank, tower, etc., at U. S. Veterans Hospital, here. Noted Oct. 19.

Va., Leesburg—Post Office—Dec. 27 by Treas. Dept., Wash., D. C., U. S. Post Office, complete incl. mechanical equipment, here. J. A. Wetmore, acting superv. archt.

W. Va., Huntington — Power House — Dec. 30, at office U. S. Engineer, Huntington, power house at Dam 30, Ohio River; adv. this issue.

Ala., Florence—Dredging Pump—Dec. 30 at office U. S. Engineer, Florence, dredging pump for dredge Pettus; adv. this issue.

O., Cincinnati—Dredge—Jan. 5, at office U. S. Engineer, Cincinnati, for one 24 in. pipe-line dredge; adv. this issue.

Ill., Rockford—Remodeling—Dec. 26, by Treas. Dept., Wash., D. C., remodeling and enlarging U. S. Post Office, here. J. A. Wetmore, acting superv. archt.

Calif., San Diego—Covering Railroad Track—Spec. 4737—Dec. 27 by Bureau Yards & Docks, Navy Dept., Wash., D. C., covering railroad tracks at Marine Barracks, here. Former bids rejected. Noted Nov. 2.

BIDS RECEIVED

Mo., St. Louis — Remodeling — Treas. Dept., Wash., D. C., remodeling second floor, etc., U. S. Custom House, here, from G. E. Wright, Monadnock Blk., Chicago, $3,440; W. McDonald Constr. Co., 428 Odd Fellows Bldg., $3,542. Noted Nov. 9.

Okla., Chandler — Post Office — Treas. Dept., Wash., D. C., for U. S. Post Office, here, from C. Weitz Sons, 713 Mulberry St. Des Moines, Ia., $43,900 (12 months); W. D. Lovell, 1415 8th St., S. E., Minneapolis, Minn., $46,897 (12 months); Shallenberger Constr. Co., 4th and Boston Sts., Tulsa, $51,682 (12 months). Noted Oct. 26.

CONTRACTS AWARDED

W. Va., Huntington—Horses and Props—U. S. Engineer, furnishing horses and props for Dam 32, Ohio River, Contr. 24,956, to Amer. Bridge Co., Frick Bldg., Pittsburgh, Pa. Noted Oct. 26.

Miscellaneous

PROPOSED WORK

Grain Elevator—Phila., Pa.—City plans 3,250,000 bu. grain elevator, $3,000,000. G. F. Sproul, Chestnut St. Wharf, engr.

Grain Elevator—Phila., Pa.—Phila. & Reading R.R., Reading Terminal Bldg., plans 3,000,000 bu. grain elevator, Port Richmond Ave. $2,850,000. S. T. Wagner, Reading Terminal Bldg., archt.

Heating System—Phila. Pa.—Bureau of Health, 516 City Hall, soon takes bids addition to heating system and constructing concrete tunnels for same, at Byberry Hospital. $160,000. P. H. Johnson, 1716 Samson St., archt.

Drilling—Tidioute, Pa.—Queen Sand Oil Co., Titusville, plans extensive oil and gas drilling here. $25,000. R. E. Feely, pres.

Coal Tipple—Glen White, W. Va.—E. E. White Coal Co. plans steel coal tipple. $50,000.

Transmission Lines—Raleigh, N. C.—See "Industrial Works."

Transmission Line, etc.—Nashville, Tenn.—Nashville Ry. and Light Co., Watkins Bldg., had plans prepared high voltage lines, new turbine generator, switchboards, stoker equipment for power plant, 5 substations, also new paving and track improvements to present system. $500,000. E. C. Edgar, genl. mgr.

Car Barns—Cleveland, O.—Cleveland Ry. Co., Hanna Bldg., having plans prepared by D. W. Morrow, archt., 4500 Euclid Ave., 1 and 2 story, brick, steel and concrete car barns, West 117th St. and Lorain Ave. $500,000. J. H. Alexander, vice pres.

Train Terminals — Lansing, Mich. — See "Railways."

Train Terminals — Midland, Mich. — See "Railways."

Road Machinery—Ashland, Wis.—Ashland Co. appropriated $10,000 for road machinery, incl. 12 ft. blade grader with ditcher, small and large trucks. W. E. Dillon, comr.

Road Machinery—Hurley, Wis.—Iron Co. appropriated $10,000 for road machinery. F. B. Goodman, comr.

Road Machinery—La Crosse, Wis.—La Crosse Co. appropriated $15,000 for road machinery. J. Hintgen, comr.

Road Oil—La Crosse, Wis.—See "Streets and Roads."

Road Machinery—Montello, Wis.—Marquette Co. Bd. appropriated $2,000 for road machinery, incl. light trucks. H. Schmitz, comr.

Miscellaneous (Continued)

Road Machinery—Phillips, Wis.—Price Co. Bd. appropriated $9,000 for road machinery, incl. crushing plant and patrol graders. B. M. Griffin, comr.

Navigation, etc.—Orange, Tex.—Orange Co. election Dec. 23 to vote on $250,000 for completing deep waterways to 30 ft. E. C. McCarver, co. judge.

Transmission Line—Warren, Idaho—See "Industrial Work."

School Athletic Grounds, etc.—Kansas City, Mo.—C. A. Smith, archt., 602 Finance Bldg., wants information on school athletic grounds and stadiums, same to be built in near future.

Aquarium—St. Louis, Mo.—Feb. 9, to vote on $400,000 bonds (Proposition 10) for aquarium in Forest Park. W. W. Horner, 300 City Hall, engr.

Electric Lights—St. Louis, Mo.—Soon takes bids installing 287 concrete standard electric lights with necessary cables, glassware, etc., on Alaska Ave. from Primm to Schirmer Sts., Schirmer St. from Alaska Ave. to Idaho St., Bradley St. from Watson Rd. to Ivanhoe St., Goodfellow St. from Roosevelt Pl. to Bircher St., Natural Bridge Rd. from Union St. to city limits, Tilden St. from Iron St. to Kingshighway, Iron St. from Tilden to Carlsbad Sts., Kingshighway from Manchester to Oakland Sts., Kingshighway from Arsenal to McRee Sts., Oakland St. from Billon to McCausland Sts., Walsh St. from Morganford St. to tracks of Missouri Pacific R.R., also from Minnesota to Michigan Sts. and 3 small park installations. $53,000. R. Toensfeldt, 325 City Hall, engr.

Elimination of Grade Crossings—St. Louis, Mo.—See "Bridges."

Memorial Plaza, etc.—St. Louis, Mo.—Feb. 9, to vote on $7,000,000 bonds (Proposition 14) $6,000,000 for site and $1,000,000 for soldiers' memorial.

Parks, etc.—St. Louis, Mo.—Feb. 9, to vote on $2,500,000 bonds (Proposition 8) for acquisition of land for public parks, playgrounds, recreation fields, swimming pools, and 4 bath houses; $1,300,000 bonds (Proposition 9) improving existing parks, playgrounds, etc., incl. equipment, wading pools, locker buildings at O'Fallon, Fairground, Forest and Carondelet Parks, incinerating plant and restaurant at Forest Park, stadium at Carondelet Park, repairing and installing heating plants, laying sidewalks, repairing old and making new roads and bridges, grading and landscape work, extensions to Christy, Penrose, Manchester and Francis Parks, property formerly known as Industrial School site, Buder recreation farm and Kingshighway southeast through Carondelet Park, comfort stations, dressing room at Fairground Park, and constructing Marquette pools.

Park—St. Louis, Mo.—Preparing plans triangular park from Bremen Ave. to Salisbury St. and 9th to 11th Sts. with two 60 ft. roadways leading from bridge into 11th St. Plans also include playground and swimming pool. $175,000. H. Bartholomew, Municipal Court, engr.

Sprinkling Trucks—St. Louis, Mo.—Bd. Pub. Serv., 314 City Hall, plans to purchase 60 sprinkling trucks. $150,000. Will let contract about Jan. 15 or Feb. 1.

Station Plaza—St. Louis, Mo.—Feb. 9, to vote on $2,600,000 bonds (Proposition 2) for acquisition of land in city blocks 894 and 903 for public plaza opposite the Union Station, on Market St. from 18th to 20th Sts.

Street Lighting System—St. Louis, Mo.—Feb. 9, to vote on $8,000,000 bonds (Proposition 4) to purchase and install equipment for electric street lighting system. W. W. Horner, 300 City Hall, engr.

Levee—Athens, Tex.—Attorney Generals Dept., Austin, approved $50,000 bonds for levees in Dist. 1, Henderson Co. C. C. O'Neil, co. engr.

Port Facilities—Houston, Tex.—Harris Co. election Dec. 30, to vote on $4,000,000 bond issue for extending port facilities on ship channel. Address C. H. Bryan, co. judge.

Tunnel—Oregon—Oregon - California-Strahorn R.R. Co., c/o D. H. McCarthy, genl. mgr., Klamath Falls, plans 1,500 ft. tunnel. Work will probably be done by day labor.

Street Lighting System—Eagle Rock, Calif.—Plans election to vote on $25,000 bonds for street lighting system.

Park Improvements—Eureka, Calif.—Plans election to vote on $100,000 bonds to purchase land and improve same for park purposes.

Rails and Equipment—Eureka, Calif.—Plans election to vote on $100,000 bonds for new rails and equipment for Municipal Railway System, etc. H. H. Hannah, city engr. J. Griffiths, city supt. of pub. wks.

Road Levee—Redwood City, Calif.—San Mateo Co. having plans prepared for road levee over Dean Hollow, to be used for storage dam, 12,000 cu.yd. fill. G. A. Kneese, co. surv.

Pier—San Francisco, Calif.—State Bd. Harbor Comrs., Ferry Bldg., take bids in about 6 weeks, enlarging Pier 42, involving considerable pile work. $100,000. F. G. White, ch. engr.

Electrification of Railways—Ontario—Canadian Natl. Rys., 27 Wellington St. E., Toronto, having plans prepared for electrifing former Canadian Northern Ry., and Toronto Eastern Ry., so as to give an electric radial service from Toronto to Port Hope, distance of 75 mi. $3,000,000. A. F. Stewart, ch. engr.

Grain Elevator—Goderich, Ont.—Goderich Elevator & Transit Co., plans rein.-con. addition to grain elevator. $250,000.

Grain Elevators—Port Arthur, Ont.—Parrish & Heimbecker Ltd., 614 Grain Exch. Bldg., Winnipeg, Man., plans addition to grain elevators rein.-con. $300,000.

BIDS DESIRED

Steel—Flushing, N. Y.—Dec. 14, by Transit Comn., 49 Lafayette St., New York, furnishing and erecting steel for elevated portion of Rapid Transit R.R., Flushing Route, extending over and along Roosevelt Ave., private property, and intersecting streets from Alburtis to Riverside Aves.

Portland Cement—New York, N. Y.—Dec. 14, by H. Bruckner, pres. Bronx Boro, Tremont and 3rd Aves., furnishing and delivering 2,500 bags Portland cement and 6,000 gal. motor gasoline.

Crane—Pittsburgh, Pa.—Heyl & Patterson, Inc., 51 Water St., taking bids 1 ladle crane for pig casting purposes.

Crane—Pittsburgh, Pa.—Carnegie Steel Co., Carnegie Bldg., taking three 125 ton ladle cranes.

Stone Washer and Crushing Machine—Chattanooga, Tenn.—Gager Lime & Mfg. Co., James Bldg., receiving bids stone washer and crushing machine, 200 ton capacity. M. P. Kennedy, secy.

Pipe—Joplin, Mo.—Rothschild Iron & Metal Co., 7th and Missouri Sts., taking bids carload 1-6 in. pipe. J. Rothschild, purch. agt.

Bridge Material, etc.—Corydon, Ia.—Dec. 20 by Auditor Wayne Co., bridge and culvert material, incl. 141,966 ft. timber, 1,000 lb. cement, 100,000 lb. reinforcing steel, 4,700 ft. corrugated culvert metal, 5,000 lin.ft. wood piling, etc. D. L. Thomas, Corydon, engr.

Culvert—Riverdale, Ark.—Dec. 21, by Bd. Dirs. D. D. 7, Poinsett Co., at their office at Marked Tree, rein.-con. culvert, here. Pride & Fairley, Blytheville, dist. engrs. Elliott & Harman Eng. Co., Memphis, Tenn., consult. engrs.; adv. this issue.

Stadium—Berkeley, Calif.—Dec. 14, by Regents of University of California, grading, culverts, etc., for stadium, (Group 1 Contract), incl. general and detail excavations, embankments, concrete culverts, tunnels, retaining walls, foundations and piers. This work will probably exceed $200,000. Total $1,000,000. Baker & Carpenter, 58 Sutter St., San Francisco, consult. engrs. J. G. Howard, 1st Natl. Bank Bldg., San Francisco, university archt. Noted Nov. 23.

Ties and Timber—Montreal, Que.—Dec. 15, by M. P. Fennell, secy. Harbor Comn., ship building timber and British Columbia fir railway ties. W. F. Harvie, Harbor Comrs., engr.

Road Graders—Charlottetown, P. E. I.—Dept. Pub. Wks, taking bids large and small road graders, Martin ditchers. C. W. Crosby, purch. agt.

BIDS RECEIVED

Refined Asphalt, etc.—Brooklyn, N. Y.—E. Riegelmann, boro pres., Boro Hall, opened bids Nov. 29, furnishing and delivering (1) 60,000 gal. refined asphalt in liquid form (2) 700 cu.yd. binder stone (3) 2,000 cu.yd. asphalt sand (4) 600 net ton limestone dust or other suitable inorganic dust (5) 2,000 cu.yd. paving sand (6) 3,500 bbl. Portland cement (7) 3,300 cu.yd. 1½ in. gravel or 3,300 cu.yd. 1½ in. broken stone, from Warner Quinlan Co., 79 Wall St., New York (1) $3,600; Standard Oil Co., 26 Bway., New York (1) $3,780; Calvin Tompkins Co., 30 Church St., New York (2) $1,421; Hygrade Builders Supply Co., 6th St. and 2nd Ave. (3) $4,620 (5) $2,580 (6) $10,238; J. Davison (3) $4,800 (7) $4,668; E. Meyer Co., 25 Church St., New York (4) $3,270; New York Trap Rock Co., 261 Park Ave., New York (4) $3,804 (7) $[illegible]; E. McCormick, 791 East New York Ave. (5) $2,350; T. T. Cunningham (5) $2,880 (7) $9,207; Burroughs Building Material Co., Johnson Ave and Newtown Creek, (6) $10,080; M. M. Cantor (6) $10,080; Suberno Products Co., (6) $10,640. Noted Nov. 23.

Railings and Stairs—Phila., Pa.—F. H. Caven, dir. pub. wks., City Hall, opened bids Nov. 29, metal railing and stairs at Northeast sewage plant, from T. E. and E. Auble, 2503 Germantown Ave., $33,104; G. B. Clopp, 3717 Filbert St., $57,359; Acme Machine Co., 316 North 17th St., $62,757.

Lumber—New Orleans, La.—Bd. Port Comrs., Court Bldg., opened bids furnishing creosoted timber and piling, from Hattiesburg Creosoted Timber Co., Hattiesburg, Miss., timber $13,718, piles $12,342; Creosoted Materials Co., Queen and Crescent Bldg., timber $13,262; Gulfport Creosoted Co., Gulfport, Miss., timber $13,377. Noted Nov. 16.

CONTRACTS AWARDED

Grandstand—Buffalo, N. Y.—Buffalo Baseball Club, 101 East Ferry St., 1 story, steel and concrete grandstand, 15,000 seating capacity, to Mosiers-Summers Co., 1266 Seneca St. Archts. est. $300,000. Noted Sept. 28.

Underpasses—North Carolina—State Hy. Comn., Raleigh, grading underpasses and building substructures under Southern R.R. at Gibsonville and Four Mile Siding, State Project 532, Guilford Co., to L. M. Lowdermilk, Route 4, Greensboro, $25,000. Noted Nov. 30.

Steel Shed—New Orleans, La.—Bd. Port Comrs., New Court Bldg., furnishing, erecting and painting structural steel for 7th St. shed and sacking plant, to St. Louis Structural Steel Co., Bank of Commerce Bldg., St. Louis, Mo., $73,295. Noted Oct. 26.

Foundation—Kalamazoo, Mich.—Bd. Educ., foundation for high school, to Miller-Boyer Co., Pratt Bldg., $25,000.

Dock and Warehouse—Milwaukee, Wis.—Huron Portland Cement Co., 1525 Ford Bldg., Detroit, Mich., pile substructure for 222 ft. rein.-con. dock, 7 and 5 ft. thick, 63 ft. 8 in. wide at widest point, 21 ft. wide at narrowest point, brick warehouse, etc., to Great Lakes Dredge & Dock Co., 216 West Water St. Owner making plans for concrete work. Engrs. est. $250,000.

Transmission Line—Stratford, Wis.—Stratford Light and Power Co. will build transmission line from here to Wausau, also construct substation, here, by day labor. $25,000. Private plans. Noted Nov. 2.

Retaining Wall—Des Moines, Ia.—For 180 ft. rein.-con. retaining wall, 40 ft. high, along east bank Des Moines River, north of University Ave., to J. Horrabin & Co., 1422 Walnut St., $24,600. Noted Nov. 30.

Lumber—Dallas, Tex.—For 10 cars, approximately 200,000 ft. 3 in. x 12 in. x 20 ft., 90% rough heart long leaf yellow pine, to Trinity Lumber Co., 3705 Main St., $52 per M ft.

Retaining Wall, etc.—Seattle, Wash.—Associated Oil Co., c/o A. J. McNeil, resident engr., 2,500 cu.ft. rein.-con. retaining wall, base will be 12 ft. below surface and 21 ft. above ground, also system of pipe conduits between piers and tank system, main conduit will be of concrete, 10 to 20 ft. wide, 4 ft. deep, to Stewart Constr. Co., Amer. Bank Bldg., $40,000.

Oil Storage Tanks—Martinez, Calif.—Associated Oil Co., 2nd and Mission Sts., San Francisco, one 55,000 bbl. capacity, three 5,000 bbl., two 2,000 bbl. and three 3,000 bbl. oil storage tanks, steel, to Western Pipe & Steel Co., 444 Market St., San Francisco.

Road Grader—San Jose, Calif.—Santa Clara Co. furnishing and delivering 1 Austin Mammoth Junior road grader, to Austin-Western Road Machine Co., 20 Fremont St., San Francisco, $1,360.

Heating System, etc.—London, Ont.—Western University, central heating system, ventilating and plumbing, to W. G. Edge Co., 142 Bank St., Ottawa, $50,000.

Memorial Tower—Toronto, Ont.—University of Toronto, Queens Park, stone war memorial tower to connect Hart House with main building, stone and general contract to Page & Co., Weston, $185,000. Noted Nov. 23.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ADVERTISEMENTS ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE.

OFFICIAL PROPOSALS

Bids: Dec. 19.

Highway Work

Albany, N. Y.

Sealed proposals will be received by the undersigned at their office, No. 55 Lancaster Street, Albany, N. Y., at one o'clock P.M., on Tuesday, December 19, 1922, for the improvement of highways in the following counties:

Albany	(one highway:	0.23)
Cattaraugus	(one highway:	0.15)
Monroe	(one highway:	0.12)
Ontario	(one highway:	0.41)
Otsego	(one highway:	0.48)
Steuben	(one highway:	4.24)
Suffold	(two highways: Gravity Concrete Retaining Wall)	

Also for the reconstruction of the following:

Montgomery	(two contracts:	1.50 & 2.50)
Niagara	(one contract:	5.13)
Steuben	(one contract:	3.00)
Suffolk	(one contract:	4.50)
Tioga	(one contract:	3.18)

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Commission in Albany, N. Y., and also at the office of the Division Engineers in whose division the roads are to be improved or reconstructed. The addresses of the Division Engineers and the counties in which they are in charge will be furnished upon request.

The especial attention of bidders is called to "General Information for Bidders" in the itemized proposal, specifications and contract agreement.

HERBERT S. SISSON,
Commissioner.
State Commission of Highways.
J. C. FINCH,
Secretary.

Bids: Jan. 5 (Date of closing extended).

Reservoir Dam

Bluefield, W. Va.

Sealed proposals or bids for the construction of a clay or earthen dam, containing about 40,000 cubic yards of material, to be sluiced into place, will be received at the office of the BLUEFIELD WATER WORKS & IMPROVEMENT COMPANY, at Bluefield, West Virginia, until three o'clock P.M., on the 5th day of January, 1923, when they will be publicly opened and read. All proposals shall be enclosed in an envelope furnished by the above styled company and shall be accompanied by a certified check on some national bank, in the sum of five (5%) per cent of the amount of the proposed bid. The contractor to whom the award is made will be required to furnish surety company bond in the sum of thirty five (35%) per cent of the amount of the contract, within thirty days after official notice of the award of contract and in accordance with the terms of the specifications. The right is reserved to reject any or all bids. Drawings, specifications and blank forms of proposals may be consulted at the office of company, 601 Princeton Avenue, Bluefield, West Virginia, or they will be forwarded by mail upon request if $4.00 accompanies the order. This amount will be refunded upon return of the plans and specifications in reasonably good order.

BLUEFIELD WATER WORKS & IMPROVEMENT COMPANY.
WM. McCARTHY,
Superintendent.

November 23rd, 1922.

OFFICIAL PROPOSALS

Bids: Dec. 19.

Mt. Prospect Conduit

CONTRACT 196

New York, N. Y.

Sealed bids will be received by the Board of Water Supply, at its offices, twenty-second floor, Municipal Building, Park Row, Centre and Chambers Streets, New York City, until 11 A.M., Eastern Standard time, on Tuesday, December 19, 1922, for Contract 196, for the construction of the Mt. Prospect conduit, a portion of the City conduits of the Catskill aqueduct, extending from Shaft 24 of the City tunnel in Fort Greene park, along Cumberland Street, Lafayette, Washington and Flatbush Avenues to Clarkson Avenue, in the Borough of Brooklyn, New York City.

The conduit will consist of about 10,530 linear feet of 72-inch and 6,270 linear feet of 66-inch steel pipe, about 360 tons of cast-iron pipe and special castings of various sizes, a Venturi meter, valves and other appurtenances, all of which will have to be maintained for one year.

At the above place and time the bids will be publicly opened and read. Pamphlets containing information for bidders, forms of bid and contract, specifications, contract drawings, etc., can be obtained at the office of the Secretary at the above address, by depositing the sum of ten dollars ($10) in cash or its equivalent for each pamphlet. For further particulars apply to the office of the Chief Engineer at the above address.

GEORGE J. GILLESPIE,
President.
JAMES P. SINNOTT,
PHILIP F. DONOHUE,
Commissioners, Board of Water Supply.
BENJ. F. EINBIGLER, Secretary.

Bids: Dec. 12.

State Hospital Work

Central Islip, N. Y.

Sealed proposals for Construction, Heating, Sanitary and Electric Work—Kitchen and Dining Room Building and Connecting Corridor, at the Central Islip State Hospital, Central Islip, N. Y., will be received by the State Hospital Commission, Capitol, Albany, N. Y., until three o'clock P.M. on Tuesday December 12, 1922, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a certified check in the sum of five per cent (5%) of the amount of proposal. The contractors to whom the awards are made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contract within thirty (30) days after official notice of award of contract, and in accordance with the terms of Specifications Nos. 3965, 3966, 3967 and 3968. The right is reserved to reject any or all bids. Drawings and specifications may be examined at the Central Islip State Hospital, Central Islip, N. Y., at the New York Office of the Department of Architecture, Room 1058, 25 Broadway, and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon reasonable notice to and in the discretion of the State Architect, L. F. Pilcher, Capitol, Albany, N. Y.

L. M. FARRINGTON,
Secretary, State Hospital Commission.
Dated: November 23, 1922.

OFFICIAL PROPOSALS

Bids: Jan. 1.

Road Bed, Bridges and Culverts

Kelso, Wash.

Sealed proposals for the construction of roadbed, bridges and culverts for approximately eight and one-half (8½) miles of railroad in Cowlitz County, Washington, will be received by the Longview, Portland & Northern Ry. Company at its offices at Kelso, Washington, up to 2 o'clock P.M., January 1st, 1923, when they will be opened and read, such eight and one-half (8½) miles being regarded by the company as the first unit of contemplated construction expected to total twenty-six (26) miles, contract expected to be let early in 1923.

Drawings, specifications and form of proposal, contract and bond are on file in the office of the Chief Engineer, Kelso, Washington, and may be inspected by prospective bidders; or same will be furnished to interested parties on deposit of Ten Dollars ($10.00), which will be refunded upon return of papers in good condition.

Bids must be made on proposal forms to be furnished by the company and in the manner designated therein, same to be inclosed in sealed envelope bearing the name and address of the bidder and to be marked "Bid for Railroad Construction."

The principal quantities involved are approximately as follows:

153,580	cubic yards common excavation.
39,300	cubic yards loose rock excavation.
59,300	cubic yards solid rock excavation.
222,660	cubic yards embankment borrow.
649,710	station yards overhaul.
924	lin. feet 18 in. concrete culvert pipe.
672	lin. feet 24 in. concrete culvert pipe.
60	lin. feet 30 in. concrete culvert pipe.
380	lin. feet 36 in. concrete culvert pipe.
70	lin. feet 42 in. concrete culvert pipe.
43,860	lin. feet piling.
514,500	ft. B.M. lumber for trestles.

Each proposal must be accompanied by a certified check payable to the Longview, Portland & Northern Ry. Company for not less than five (5) per cent of the total amount of the bid as a guarantee that contract will be entered into if awarded.

The person or persons, if any to whom the contract is awarded will be required to file a bond in a sum not less than 50 per cent of the total amount bid, with good and sufficient sureties, to guarantee the faithful performance of the contract.

Special attention of the bidder is called to "Information for Bidders" included in the proposal forms.

The right is reserved to reject any and all bids.

LONGVIEW-PORTLAND & NORTHERN RY. COMPANY.
By WESLEY VANDERCOOK,
Chief Engineer.

Bids: Dec. 29.

Garbage Incinerator

Portland, Ore.

Sealed proposals will be received at the office of the Purchasing Agent of the City of Portland, Oregon, until 2.00 o'clock P.M., Friday, December 29, 1922, for the construction of a garbage incinerator according to specifications on file.

A certified check for 10 per cent of the amount must accompany each bid.

Specifications and additional information may be obtained from

O. LAURGAARD,
City Engineer.

OFFICIAL PROPOSALS

Bids: Dec. 14.

Steel Truss Bridge

Hamburg and Evans, N. Y.

Sealed proposals will be received by the joint Town Board of Towns of Hamburg and Evans, Erie County, N. Y., at the office of the Town Clerk, Hamburg, N. Y., on Thursday, December 14th, at 2:00 P.M., for the construction of a steel truss highway bridge, 180-ft. span and 24-ft. roadway, on the Lake Shore State Highway, across the Eighteen Mile Creek.

Plans, specifications and bidding sheets may be obtained at the office of George C. Diehl, County Engineer, 577 Ellicott Sq., Buffalo, N. Y. Said plans and specifications are on file with the Town Clerks of the Towns of Hamburg and Evans, as follows:

Jos. E. Leach, for Hamburg, Main St., Hamburg, N. Y.

Edward F. Johns, for Evans, Angola, N. Y.

Each proposal must be accompanied by a certified check for at least 5 per cent of the amount of the proposal, and shall be made payable to George B. Abbott, Supervisor, Town of Hamburg.

Each proposal must also be accompanied by an affidavit from a surety or bonding company, duly qualified under the laws of the State of New York, stating that in case this bidder be awarded the contract for the work covered in the bid, said surety or bonding company will furnish the required bond within ten (10) days of the award of the contract.

The joint Town Board of Hamburg and Evans reserves the right to reject any or all proposals.

JOSEPH E. LEACH,
Town Clerk of Hamburg.
EDWARD F. JOHNS,
Town Clerk of Evans.

Dated, November 20, 1922.

Bids: Dec. 18.

Refuse Incinerator

Allentown, Pa.

Sealed proposals will be received by the undersigned at his office, Room 301, City Hall until 9:30 o'clock A.M., Monday, December 18, 1922, for the construction of a Refuse Incinerator.

The work to be done consists of the furnishing, installing, and testing ready for operation, on foundations to be constructed by the City of Allentown a refuse incinerator with all appurtenances, of a capacity of 70 tons per 24 hours. The City of Allentown will construct under separate contracts the building, foundations for incinerator and appurtenances and chimney from plans submitted by the successful bidder.

All proposals must be made upon forms provided therefor and accompanied by a certified check for the sum of Five Thousand ($5,000.00) Dollars.

Specification and forms may be obtained at the office of the City Engineer, City Hall, Allentown, Pennsylvania, upon depositing the sum of Fifty ($50.00) Dollars which amount will be returned upon the return of the specifications.

The City of Allentown reserves the right to reject any or all bids.

M. W. GROSS,
Mayor.

H. F. BASCOM,
City Engineer.

Bids: Dec. 11.

Labor-Material Percentage Contract

New Orleans, La.

Sealed proposals will be received at the Sewerage and Water Board, Room 401, No. 526 Carondelet Street, New Orleans, La., up to 12 o'clock noon of Monday, December 11th, 1922, on Labor-Material Percentage Contract for year 1923.

Specifications and blank forms of proposal may be obtained at the office of the Board.

The right is reserved to reject any or all bids.

October 12th, 1922.

A. G. MOFFAT,
Secretary.

GEO. G. EARL,
General Superintendent.

¶When you figure a contract you base your figures on getting the greatest amount of efficiency out of every department. ¶You demand the maximum in results at the minimum of cost and then keep yourself busy as a bird dog to see that you get it. ¶Why treat the matter of a Contract Bond with any less sincere attention?
SWART 92 William St. New York

OFFICIAL PROPOSALS

Bids: Dec. 21.

Reinforced Concrete Culvert

Marked Tree, Ark.

Bids will be received by the Board of Directors of Drainage District No. 7, Poinsett County, Arkansas, at their office at Marked Tree, Arkansas, until 11:00 a.m., Thursday, December 21, 1922, for the construction of a reinforced concrete culvert at Rivervale, Arkansas.

The work will require about 2,800 lineal feet of Wakefield Sheet piling, 7,700 cubic yards concrete, 230 tons of reinforcing steel and 5,500 square yards of block revetment.

Plans and specifications are on file and may be seen at the office of the Board of Directors, Marked Tree, Arkansas, at the office of Pride & Fairley, District Engineers, Blytheville, Arkansas, and at the offices of Elliott & Harman Engineering Co., Consulting Engineers, Memphis, Tenn., and Peoria, Illinois. An Engineer will be furnished by appointment with Pride & Fairley to visit the site of the work with prospective bidders.

Certified check, cash deposit or Bidder's bond for the amount of 10% of the bid will be required with each bid. The right is reserved to reject any and all bids.

Bids: Dec. 18.

Street Paving and Draining

Earlington, Ky.

Sealed proposals will be received up to 2 o'clock p.m., December 18, 1922, by the Mayor of the City of Earlington, Ky., for the paving and draining the several streets in the City of Earlington, Ky., with warrenite bitulithic pavement or vitrified brick pavement on a rolled stone base, the type to be selected by the City Council after the bids have been opened and compared.

ESTIMATED QUANTITIES

Earth excavation	23,570 cu.yd.
Paving surface	46,300 sq.yd.
Crushed stone	13,840 cu.yd.
Curb and gutter	22,840 lin.ft.
Storm sewers, 12-in. to 42-in. in sizes	4,776 lin. ft.
Manholes	23
Inlets	62
Concrete:	
1:2½:5	162.44 cu.yd.
1:2:4	84.02 cu.yd.
1:2:3	1.27 cu.yd.
Reinforcing steel	10,215 lb.

These quantities being subject to modification.

The City Council reserves the right to reject any or all bids, or to award the contract to the lowest and best bidder. Each bid must be accompanied by a certified check for $250.00, payable to the Mayor of the City of Earlington, Ky. Checks of the unsuccessful bidders will be returned as soon as the contract is awarded or the bids rejected.

Plans and specifications on file at the office of R. C. Giffin, Civil and Mining Engineer, Madisonville, Ky., and may be inspected there or a copy obtained upon the deposit of $15.00, which deposit will be returned upon the return of the plans in good condition.

(Signed) C. B. JOHNSON, M.D.,
Mayor.

Bids: Jan. 24.

Garbage Incinerator Plant

Fargo, N. D.

Sealed proposals will be received at the office of the City Auditor until 10 A.M. on the 24th day of January, 1923, for the erection and construction of a complete plant for the incineration of all garbage collected by the City of Fargo, having a capacity of thirty-five (35) tons per twenty-four hours. The plant shall be completed, tested and ready for acceptance by the City of Fargo on or before July 1st, 1923. Bidders will submit detailed plans and specifications of their plan of construction including the cost for such a plant, completed and tested ready for operation and showing the method of incineration and the cost of operation per ton. Bidders shall also guarantee that no obnoxious gases or odors will be created in the operation of the plant.

Proposals must be accompanied by a certified check payable to the order of the City of Fargo in amount equal to five (5) per cent of the total cost of the plant, conditioned that the successful bidder will enter into a contract and give bond for the construction of the plant, according to the proposal.

The City of Fargo reserves the right to reject any and all bids.

A. R. WATKINS,
City Auditor.

Dated at Fargo, N. D.,
November 29, 1922.

OFFICIAL PROPOSALS

Bids: Dec. 14.

Grading and Bridges

Raleigh, N. C.

Sealed bids for the construction of the following Projects will be received by the North Carolina State Highway Commission at Raleigh, N. C., until 10:00 A.M. on the 14th day of December, 1922, when they will be opened and read:

Grading Project, including drainage pipe structures, etc.

Project No.	County	Length
201	Carteret	14.14

BRIDGE PROJECTS

138-B Northampton—(a) 1 350 ft. steel span with 265 20 ft. timber spans or timber piles, or (b) same on pre-cast R.C. piles, (c) or same as (a) except timber superstructure on I beams, (d) same as (c) except pre-cast concrete piles for substructure.

256 Lenoir—3 bridges, 2 30 ft. R.C. Thru Girders, 2 30 ft. R.C. Thru Girders, and 4 40 ft. R.C. Thru Girders.

Specifications, proposal forms, etc., may be obtained from the State Highway Commission at Raleigh, N. C.

Plans may be seen in the Raleigh office or in the offices of the District Engineers.

Bridge plans may be obtained from the State Highway Commission at Raleigh N. C., upon *payment* of five ($5.00) dollars per set.

The right is reserved to reject any or all bids.

By order of the North Carolina State Highway Commission.

Bids: Dec. 19.

Thru Plate Girder Bridge No. 543.3

Trenton, N. J.

The Board of Freeholders of Mercer County will receive bids on Tuesday, Dec. 19th, 1922, at 2:30 o'clock in the afternoon at their regular place of meeting, Court House, Trenton, New Jersey, for:

Constructing a thru plate girder bridge over Shipetaukin Creek on the Brunswick Pike, known as Bridge No. 543.3, with a clear span of 49 ft. 3 inches.

The estimated quantities on the principal items follow:

300 cubic yards of foundation excavation.
300 cubic yards of concrete.
50 tons of structural steel.
15 tons of reinforcing steel.

Construction of a temporary bridge.

Prospective bidders are referred to plans and specifications covering the above work on file in the office of Harry F. Harris, Mercer County Engineer, at the Court House, Trenton, New Jersey, and in the office of J. A. L. Waddell, Consulting Engineer, 35 Nassau Street, New York City. Copies of said plans and specifications may be obtained from either of the above offices upon deposit of the sum of ten dollars, which will be refunded if the plans and specifications are returned in good condition within 48 hours after the bids are opened.

Each proposal must be accompanied by a certified check in an amount equal to at least 10% of the bid, payable to Edgar G. Weart, County Collector, also by a proposition from a surety company fulfilling the requirements of Section 507, Chapter 185, P. L., 1918.

The right is reserved to reject any or all bids and to waive any immaterial defect or informality in any bid should it be in the interest of the County to do so.

CHARLES H. REICHERT,
Director of Department of Bridges.

Bids: Dec. 28.

Resurfacing Streets

Mobile, Ala.

Bids will be received by the Board of City Commissioners of the City of Mobile for resurfacing with either Asphalt, Warrenite-Bitulithic Asphaltic Concrete, Type No. 1 and Asphaltic Concrete, Type No. 2, until noon, December 28th, 1922, 45,868 square yards of one and half inch surface, 45,868 square yards of one inch binder.

Plans and specifications can be had at the office of the City Engineer. The right is reserved to reject any or all bids.

R. V. TAYLOR, Mayor.
WRIGHT SMITH, City Engineer.

OFFICIAL PROPOSALS

Bids: Dec. 28.

Sewage Disposal Plant

DIVISION III—SECTION 4

Indianapolis, Ind.

Sealed proposals will be received by the Board of Sanitary Commissioners, Sanitary District of Indianapolis, at its office in the City Hall, Indianapolis, Indiana, until 10 A.M., December 28th, 1922, at which time bids will be publicly opened and scheduled and awards made as soon thereafter as practicable, for furnishing and erecting mechanical equipment of Section 4, Division III, for the Sewage Disposal Plant of the Sanitary District of Indianapolis, in accordance with plans and specifications on file at the office of the board. This construction and equipment consists of the following items:

4-a. Cast Iron Pipe and Specials.
4-b. Low Pressure Gate Valves.
4-c. Power Plant Piping.
4-d. Standard and High Pressure Valves.
4-e. Air Washing Equipment.
4-f. Electric-Centrifugal Pumping Units.
4-g. Electric Wiring and Fixtures.
4-h. Rotary Dryers, Stokers and Conveying machinery.
4-i. Sludge Filters.

Each bidder shall be required to deposit with his bid a certified check in the amount as provided in said specifications and information to bidders, to secure the execution of the contract for which bid is made.

Copies of plans and specifications and general information may be obtained at the office of Charles H. Hurd, Consulting Engineer, 1405 Merchants Bank Building, Indianapolis, Indiana.

The board reserves the right to reject any and all bids.

BOARD OF SANITARY COMMISSIONERS.
JAY A. CRAVEN, President.
JOHN L. ELLIOTT, Vice-Pres.
LUCIUS B. SWIFT.

Bids: Dec. 19.

Bridges and Road Work

Charleston, W. Va.

Sealed proposals will be received by the State Road Commission of West Virginia at its office in Charleston, West Virginia, until 10 o'clock a.m. on the 19th day of December, 1922, and said proposals will be opened and read immediately thereafter at the Kanawha County Court House, Charleston, W. Va., for the construction of the following bridges and sections of State Road:

Project 3045, Monroe County—5 miles of the Union-Rock Camp road for grading and draining. Certified check for $3,000.

Project 3047-B, Nicholas County—6 miles of the Gilboa-Drennen Road for grading and draining. Certified check for $3,500.

Project 3182-A, Pocahontas County—6 miles of the Sunset-Frost Road for grading and draining. Certified check for $3,000.

Project 3102, Raleigh County—6 miles of the Shady Springs-Summers County Line Road for grading and draining Certified check for $3,000.

Project 3059, Five Block Bridge No. 856, Logan County over Spruce Fork—130-ft. steel through truss superstructure, concrete or Ashlar masonry substructure. Separate proposal will be received for substructure. Certified check $500, and superstructure certified check for $500.

Project 3188, Wayne County—5.5 miles of the Marrowbone-Crum Road for grading and draining. Certified check for $4,000.

Project 3061, Echo Bridge No. 811, Wayne County, over Twelve Pole Creek—120-ft. steel through truss superstructure, concrete or Ashlar masonry substructure. Separate proposals will be received for substructure. Certified check $500 and superstructure certified check $500.

Project 3078-A, Pleasants County—3 miles of the River Road, St. Marys to Belmont, for grading, draining and gravel surfacing. Certified check for $2,000.

Project 3082, Wetzel County—3 miles of the River Road, New Martinsville, north, for grading, draining and gravel surfacing. Certified check for $1,200.

Project 3157, Braxton County—8.3 miles of the Gassaway-Frametown Road for grading and draining. Certified check for $7,500.

Project 3160, Doddridge County—8.2 miles of the Northwestern Turnpike, West Union-Ritchie County Line, for grading and draining. Certified check for $4,000.

Project 3170-B, Clay County—3 miles of the Dull Creek-King Shoals Road for grading and draining. Certified check for $1,500.

Project 3026, Jefferson County—7 miles of the Charlestown-Kearneysville Road for grading, draining, and waterbound macadam surface course. Certified check for $5,000.

Project 122-A, Mineral County—8 miles of the Claysville to Grant County Line Road for grading and draining. Certified check for $3,500.

Project 3014, Pendleton County—7 miles of the Petersburg-Franklin Road for grading and draining. Certified check for $3,000.

Project 3033, Randolph County—12 miles of the Valle Head-Webster County Line Road for grading and draining. Certified check for $7,500.

Proposals will be received only upon State standard forms in accordance with plans, specifications and estimates of quantities therefor, which standard forms, plans, specifications and estimates may be obtained from the office of the Division Engineer in whose territory the proposed construction is located, or from the office of the State Road Commission at Charleston, W. Va.

Each proposal must be accompanied by a certified check for the amount noted.

The right is reserved to reject any and all proposals.

THE STATE ROAD COMMISSION,
OF WEST VIRGINIA.
E. B. CARSKADON, Secretary.

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Bids: Dec. 28

Reinforced Concrete Highway Bridge

Sterling, Ill.

Notice is hereby given that sealed bids will be received by the Road and Bridge Committee of Whiteside County, Illinois, at the City Hall, in the City of Sterling, Illinois, until 10:30 o'clock a.m. December 28, A.D. 1922, and opened and publicly read immediately thereafter.

Bids will be received on the "State of Illinois" plan, the "Marsh" plan, or any other plan that may be submitted by any contractor, at the time of the letting. The bridge will be about 1,000 feet long, across Rock River at First Avenue, in the City of Sterling, Illinois, and must have 28 foot roadway and seven foot sidewalks, and have a concrete floor and electric lighting system complete. Plans submitted must show all details and quantities of concrete and steel.

The nearest railroad station, Sterling, 600 feet. Concreting matrial must be shipped in. The existing structure of iron, 6 spans, of 166 feet, is to become the property of the contractor.

Work to be completed on or before November 15, 1923, and all proposals shall be sealed, and be accompanied by a certified check for One Thousand Dollars ($1,000.00), made payable to the Chairman of the Road & Bridge Committee of Whiteside County, Illinois.

The above Committee reserve the right to reject any or all bids for any reason they deem sufficient. All work to be in accordance with the State of Illinois, General Specifications for Bridge Work, Edition of April, 1920, and plans must be approved by the Illinois State Highway Department, the Illinois State Division of Waterways, and the War Department of the United States.

Whiteside County Road
& Bridge Committee,
By EDW. O. HILLS,
County Superintendent of Highways.

Bids: Dec. 27.

Dock Wall

TERMINAL CONTRACT NO. 53-B.

Albany, N. Y.

Sealed proposals will be received by the undersigned at his office in the Capitol at Albany, N. Y., until twelve o'clock noon of Wednesday, December 27th, 1922, at which place and hour they will be publicly opened and read, for the construction of barge canal terminals pursuant to the provisions of Chapter 746 of the Laws of 1911, and amendatory laws, and Chapter 402 of the Laws of 1920, as follows:

TERMINAL CONTRACT NO. 53-B.

For constructing certain portions of the dock-wall at Ohio Basin, Buffalo.

Contract plans, sheets 1 to 3, inclusive.

Plans may be seen and detailed specifications, engineers' estimates of quantities, proposal blanks, form of contract and bonds required and other information for proposers may be had at the office of the Superintendent of Public Works, at Albany, N. Y., at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y.; at the office of the Assistant Superintendent of Public Works for the Western Division at Rochester, N. Y., at the offices of the Superintendent of Public Works, Erie Basin Terminal, Buffalo, N. Y., and Terminal Warehouse, Pier 6, East River, New York City.

Blueprint copies of plans will be furnished by the State Engineer and Surveyor upon the receipt at his office in the Telephone Building, Albany, N. Y., of payment at the rate of fifteen cents (15c) per sheet. Refund will not be made for any blueprints which may be returned.

Monthly estimates will be paid of ninety per centum (90 per cent.) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the city of Albany or New York, issued by a national or state bank or trust company in good credit within the state and payable at sight to the Superintendent of Public Works for five per centum (5 per cent) of the amount of the proposal.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bonds, the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time in which case the amount of the deposit will be refunded by the Superintendent of Public Works.

The deposits of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The bond required for the faithful performance of the contract shall be in such sum as shall be fixed by the Superintendent of Public Works, which sum shall not be less than twenty per centum (20 per cent) of the estimated cost of the work, according to the contract price, and an additional bond known as the labor bond, in the sum of ten per centum (10 per cent) of the amount of the estimated cost of the work according to the contract price, will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

In the event that more than one surety company is offered as surety on said bonds co-insurance only will be accepted.

Each proposal must be addressed to the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award, if made, will be made to the person or persons whose proposal shall be lowest in cost to the state for doing the work, and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Superintendent of Public Works of his ability to provide suitable equipment and materials for the proper performance of the work.

The right is reserved to reject all proposals and readvertise and award the contract in the regular manner if, in the judgment of the undersigned, the interests of the state will be enhanced thereby.

CHARLES L. CADLE,
Superintendent of Public Works.
November 23rd, 1922.

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